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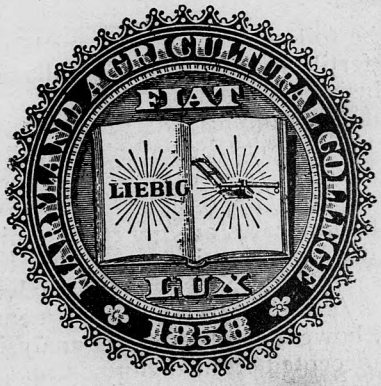
FERTILIZER ANALYSES.

R. W. SILVESTER, - - - - - President.

Edited by H. B. McDONNELL, Professor of Chemistry.



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Issued in the Months of February, May, August and November.

ADDRESS

Chemical Department

Maryland Agricultural College,

COLLEGE PARK, MD.

ANALYSES OF

Fertilizers Sold in Maryland

BY THE CHEMICAL DEPARTMENT OF

THE MARYLAND AGRICULTURAL COLLEGE.

Dr. H. B. McDonnell, Professor of Chemistry,—State Chemist.
I V. Stone, B.S., Assistant Chemist.
R. B. Deemer, B.S., Assistant Chemist.
Frank Cole, B.S., Assistant Chemist.
H. M. Coster, B.S., Assistant Chemist.
T. D. Jarrell, B.S., Assistant Chemist.
F. G. Baggs, Clerk.

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The tables on the following pages are made up of the results of the analysis of fertilizers made at the College from February to July, 1909, inclusive.

The majority of the samples analyzed are obtained by our sampling agents, the samples being taken while the goods are in transit, on vessels, wharves, cars, or stations, from farmers' wagons, barns, etc. It is impossible for us to analyze all the samples we collect; duplicates are generally omitted.

When a sample has been sent in by a farmer his name appears after the place of sampling. No sample is analyzed unless fully described on blanks furnished by this department. The description is not sent in, however, till after the analysis is reported.

No samples are accepted from manufacturers or their agents under any circumstances.

The figures in the columns headed "Ammonia," "Potash" and "Phosphoric Acid," are percentages, or pounds per hundred. To get pounds per ton multiply the per cent by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential part of the guarantee as stamped on the bags.

The columns headed "No." contain the respective numbers by which the samples are known in the laboratory. In writing to the Chemical Department in regard to any analysis the number should always be given. The samples are numbered consecutively on the books of the office, but are arranged alphabetically for publication, which accounts for the mixing of the numbers.

To get "Total" phosphoric acid add the "Insoluble" to the "Available" phosphoric acid.

The "Comparative Value Found" is calculated from the results of analysis as found in our laboratory; the "Comparative Value Guaranteed" is calculated from the manufacturers' guaranteed analysis as printed on the bags; in each case using the schedule as given below.

Schedule for Calculating Comparative Values.

In Mixed Fertilizer:	
For Nitrogen, calculated as Ammonia	20 cts. per pound.
For Potash (K_2O), in forms free from muriate	6 cts. per pound.
For Potash (K_2O), as muriate, or kainit	5 cts. per pound.
For Available Phosphoric Acid	6 cts. per pound.
For Insoluble Phosphoric Acid	2 cts. per pound.
For Insoluble Phosphoric Acid when from Rock	1 cts per pound.
In Dissolved Rock:	
Available Phosphoric Acid	4½ cts. per pound.
Insoluble Phosphoric Acid	1 cts. per pound.
In Tankage:	
For Nitrogen, calculated as Ammonia	15 cts. per pound.
For Phosphoric Acid	3 cts. per pound.
In Ground Bone:	
For Nitrogen, calculated as Ammonia	20 cts. per pound.
For Phosphoric Acid	3 cts. per pound.

The "Comparative Values" given in the table are not claimed to be the proper prices to be paid for the various fertilizers at the place of sale or use. They will be found to be not far from the prices for which fertilizers may be obtained at Baltimore, for cash. In making comparisons at other points freight from Baltimore should be added.

It should be noted that plant food costs more in low grade or "cheap" fertilizers than it does in high grade goods. Thus a 1-5-1 fertilizer (1 per cent of ammonia, 5 per cent of available phosphoric acid and 1 per cent of potash) will cost more than half as much as a 2-10-2 fertilizer, though it only contains half as much plant food. The demand for "cheap" fertilizer causes low-grade material to be at a premium, even when less efficient and less available than the same amount of actual plant food in the higher grade goods.

Farmers are advised to buy 16 per cent dissolved rock or acid phosphate, when possible.

Do not expect to get the 16 per cent goods at the same price paid for the 14 per cent, however. The higher grade will cost about $1 per ton more. The cheapest filler is the soil in the field and the cheapest mixing machine is the harrow.

Low grade mixed fertilizers should be avoided, such as a fertilizer guaranteed to contain ¼ per cent Ammonia, 6 per cent Available Phosphoric acid and 1 per cent of Potash. Such a fertilizer could be made as follows: 50 lbs. Ground Fish, 750 lbs. Dissolved Rock and 40 lbs. Muriate of Potash to the ton; this would necessitate the use of 1160 lbs. of filler in each ton. It would be more economical to buy half a ton of good fertilizer.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
18875	American Agricultural Chem. Co., New York, N.Y.	Big Crop Phosphate.....	Baltimore .....
18819	" " "	Complete Manure with 10% Potash.	Baltimore .....
19032	" " "	Delaware Corn Grower....	Baltimore .....
18884	" " "	Fine Ground Bone.....	Reisterstown .....
18924	" " "	Gem Alkaline Phosphate...	Baltimore .....
18973	" " "	Ideal Corn Grower.....	Taneytown .....
18800	" " "	Pure Ground Bone.....	Baltimore .....
18910	" " "	Royal Alkaline Bone.....	Baltimore .....
18805	" " "	Special Potash Mixture.....	Baltimore .....
19072	" " "	Special Mixture.....	Lantz (C. M. Hauver).
18820	" " "	Special Tomato Fertilizer..	Baltimore .....
18815	" " "	Top Notch Phosphate for Tobacco.	Baltimore .....
18851	" " "	Young's Melon Fertilizer..	Baltimore .....
18885	A. A. C. Co., (Canton) Baltimore, Md.	Baker's Dissolved S. C. Bone	Reisterstown .....
18854	" " "	Baker's Fish Guano.....	Baltimore .....
18861	" " "	Baker's Special.....	Baltimore .....
18825	" " "	Baker's Standard H. G. Guano.	Baltimore .....
18852	" " "	Eagle Phosphate.....	Baltimore .....
18986	" " "	Harrow Brand Crop Grower	Thurmont .....
18968	" " "	Patrons Bone Mixture.....	Bel Air.....
18806	" " "	Potato Manure.....	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
18875	....	....	5.61	5.00	.77	....	8.55	8.00	$13.46	$12.20
18819	4.06	4.00	9.71	10.00	.80	....	6.07	6.00	33.55	33.20
19032	....	....	3.35	3.00	.65	....	6.52	8.00	9.35	10.20
18884	2.83	3.00	....	....	23.94	22.80*	....	....	25.68	25.68
18924	....	....	3.41	3.00	.82	....	6.38	6.00	9.31	8.40
18973	1.08	1.00	3.88	4.00	1.57	....	8.26	8.00	18.74	17.60
18800	4.32	4.50	....	....	22.68	20.60*	....	....	30.89	30.36
18910	....	....	4.64	4.00	1.07	....	10.13	10.00	13.97	13 00
18805	.85	1.00	6.67	7.00	1.52	....	9.96	9.00	22.63	17.00
19072	4.81	5.00	9.47	10.00	1.02	....	7.33	7.00	37.92	38.40
18820	1.16	1.00	4.05	4.00	1.52	....	8.27	8.00	19.22	17.60
18815	2.63	2.00	5.09	5.00	1.57	....	8.22	8.00	26.10	22.60
18851	3.28	3.00	10.26	10.00	1.45	....	10.06	10.00	36.03	34.00
18885	....	....	.....	.....	1.67	....	14.45	14.00	13.34	12.60
18854	2.06	2.00	2.26	2.00	1.85	....	8.46	8.00	21.39	19.60
18861	1.09	1.00	2.58	2.00	1.22	....	9.40	9.00	18.71	16.80
18825	2.51	2.00	3.61	3.00	1.55	....	8.32	8.00	24.25	20.60
18852	1.08	1.00	1.39	1.00	1.62	....	7.10	7.00	14.88	13.40
18986	1.19	1.00	1.33	1.00	1.47	....	8.51	8.00	16.89	14.60
18968	2.06	2.00	3.13	2.50	4.15	1.00	9.83	8.00	24.83	20.50
18806	1.66	1.50	5.18	5.00	1.42	....	6.73	6.00	20.47	18.20

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19088	A. A. C. Co., (Canton) Baltimore, Md.	Soluble Alkaline Bone.....	Baltimore .....
18925	" " "	Soluble Bone and Potash...	Baltimore .....
19098	" " "	Special Compound.....	Baltimore .....
18926	A. A. C. Co., (Detrick) Baltimore, Md.	Ammoniated Bone Phosphate	Baltimore .....
18962	" " "	Bone and Potash Mixture..	Baltimore .....
19015	" " "	Corn and Oats Fertilizer..	Baltimore .....
18939	" " "	Dissolved S. C. Bone.....	Baltimore .....
19457	" " "	Gold Basis.....	Baltimore .....
18886	" " "	Golden Eagle.....	Pikesville .....
18887	" " "	Imperial Compound.....	Pikesville .....
18862	" " "	Kangaroo Komplete Kompound.	Baltimore .....
19006	" " "	P. & B. Special.....	Baltimore .....
18993	" " "	Paragon Ammoniated Bone Phosphate and Potash.	Burnt Mills.....
18858	" " "	Quick Step.....	Baltimore .....
19448	" " "	Royal Crop Grower.....	Baltimore .....
18947	" " "	Soluble Bone Phosphate and Potash.	Mt. Airy.....
19007	" " "	Special Mixture.....	Baltimore .....
18869	" " "	Standard Potash Fertilizer..	Baltimore .....
19045	" " "	Victory Alkaline Bone.....	Georgetown .....
19079	" " "	Victory Alkaline Bone.....	Downsville (W. H. Armstrong).
18911	A. A. C. Co., (Lazaretto) Baltimore, Md.	Ammoniated Bone Phosphate	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19088	....	....	2.83	3.00	1.57	....	12.26	12.00	$14.17	$13.80
18925	....	....	2.35	2.00	.60	....	10.88	10.00	12.26	11.00
19098	2.83	2.50	6.10	6.00	1.30	....	7.75	8.00	27.24	25.60
18926	1.16	1.50	2.10	2.00	1.85	....	8.02	9.00	17.10	18.80
18962	....	....	2.60	2.00	1.33	....	11.04	11.00	12.81	11.90
19015	1.16	1.00	3.10	3.00	1.25	....	8.95	9.00	18.98	17.80
18939	....	....	....	....	2.10	....	14.16	14.00	13.16	12.60
19457	6.84	7.00	6.41	5.00	1.10	....	6.07	6.00	41.49	40.20
18886	2.92	3.00	4.73	6.00	3.62	....	4.91	6.00	23.75	25.20
18887	1.06	1.00	2.27	2.00	1.95	....	7.93	8.00	16.81	15.60
18862	2.08	2.00	3.03	3.00	1.22	....	8.28	8.00	21.78	20.60
19006	....	....	3.41	3.00	1.67	....	11.77	12.00	14.33	13.80
18993	1.09	1.00	1.32	1.00	1.25	....	8.04	7.00	15.83	13.40
18858	3.09	3.00	4.03	4.00	1.35	....	8.60	8.00	27.25	25.60
19448	2.05	2.00	2.14	2.00	1.07	....	8.10	8.00	20.49	19.60
18947	....	....	2.18	2.00	.72	....	10.34	10.00	11.63	11.00
19007	1.11	1.00	1.48	1.00	1.65	....	8.31	8.00	16.55	14.60
18869	1.72	1.50	4.75	5.00	1.57	....	6.40	6.00	19.94	18.20
19045	....	....	5.01	5.00	1.42	....	11.06	12.00	15.24	15.80
19079	....	....	4.72	5.00	.80	....	11.76	12.00	15.47	15.80
18911	1.11	1.00	2.89	2.00	1.40	....	8.34	8.00	17.40	15.60

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
18895	A. A. C. Co., (Lazaretto) Baltimore, Md.	Crop Grower	Baltimore
18927	" " "	Dissolved Bone	Baltimore
18948	" " "	Dissolved Bone Phosphate	Smithsburg
19046	" " "	Early Trucker	Betterton
18949	" " "	High Grade Dissolved Bone and Potash.	Mt. Airy
18912	" " "	High Grade Dissolved Bone and Potash.	Baltimore
19089	" " "	High Grade Dissolved Bone Phosphate and Potash.	Baltimore
19008	" " "	Retriever Animal Bone	Baltimore
18950	" " "	Special Potato and Tobacco Fertilizer.	Mt Airy
18896	" " "	Tomato Compound	Baltimore
19456	" " "	Tomato Compound	Snow Hill
19029	" " "	Wheat, Corn and Grass Producer.	Baltimore
18987	A. A. C. Co., (Maryland) Baltimore, Md.	Alkaline Bone	Maugansville
18937	" " "	Bono Super-Phosphate	Baltimore
19099	" " "	Dissolved S. C. Bone	Baltimore
18951	" " "	Magic Guano	Smithsburg
18940	" " "	Special Compound	Baltimore
19449	A. A. C. Co., (Nickerson) Easton, Md.	Acid Phosphate	Baltimore
19016	" " "	Corn Guano	Baltimore
19017	" " "	Dissolved Bone and Potash.	Baltimore
19040	" " "	Early Queen	Easton

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
18895	2.20	2.00	2·56	2.00	1.62	....	9.11	8.00	$22.94	$19.60
18927	....	....	....	....	1.22	....	13.76	14.00	12.62	12.60
18948	....	....	2·78	2.00	.70	....	8.34	8.00	10.43	9.20
19046	5.03	5.00	5·49	5.00	.85	....	7.28	7.00	34.69	33.40
18949	....	....	5·47	5.00	.72	....	10.33	10.00	14.91	14.00
18912	....	....	5·67	5.00	.92	....	12.42	12.00	17.03	15.80
19089	....	....	3·43	3.00	1.52	....	11.39	12.00	13.98	13.80
19008	2.54	2.25	4.49	4.00	4.65	4.50	8.45	9.00	26.65	25.60
18950	1.18	1.00	4.54	4.00	1.15	....	8.53	8.00	19.96	17.60
18896	1.52	1.50	3.67	5.00	1.57	....	7.36	8.00	19.21	20.60
19456	1.76	1.50	5.45	5.00	1.80	....	5.71	6.00	20.06	18.20
19029	.63	.50	2.31	2.00	1.02	....	7.75	8.00	14.33	13.60
18987	....	....	3.38	3.00	1.67	....	11.74	12.00	14.28	13.80
18937	....	....	2.54	2.00	.60	....	10.52	10.00	12.13	11.00
19099	....	....	....	....	.77	....	14.04	14.00	12.79	12.60
18951	1.18	1.00	2.16	2.00	.82	....	9.62	8.00	18.75	15.60
18940	2.06	2.00	10.86	10.00	1.07	....	8.97	8.00	30.29	27.60
19449	....	....	....	....	1.15	....	13.90	14.00	12.74	12.60
19016	1.16	1.00	2.42	2.00	1.90	....	7.71	8.00	17.07	15.60
19017	....	....	5.24	5.00	1.02	....	11.54	12.00	15.73	15.80
19040	4.78	5.00	....	....	1.07	5.00	7.30	7.00	28.31	28.60

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19033	A. A. C. Co., (Nickerson) Easton, Md.	English Mixture.....	Baltimore .....
18863	" " "	Fish, Bone and Potash.....	Baltimore .....
18900	" " "	Tomato Fertilizer.....	Baltimore .....
19450	" " "	Truck Guano.....	Baltimore .....
18997	A. A. C. Co., (Packers Union) Rutland, Vt.	Banner Wheat Grower.....	Princess Anne....
19009	A. A. C. Co., (Reese) Baltimore, Md.	Harvest Queen.....	Baltimore .....
19030	" " "	Potato and Truck Special..	Baltimore .....
18807	" " "	Special Crown Phosphate and Potash.	Baltimore .....
18801	A. A. C. Co., (Slingluff) Baltimore, Md.	Top Dresser.....	Baltimore .....
19018	A. A. C. Co., (Susquehanna) Baltimore, Md.	Ammoniated Bone Phosphate	Baltimore .....
19041	" " "	Crop Grower.....	Trappe .....
19084	" " "	High Grade Bone and Potash.	Baltimore .....
18864	" " "	Potato and Tobacco Phosphate.	Baltimore .....
19090	" " "	Soluble Bone and Potash..	Baltimore .....
19019	" " "	Superior Rock Phosphate....	Baltimore .....
18915	" " "	Superior Rock Phosphate....	Baltimore .....
18996	A. A. C. Co., (Tygert Allen) Philadelphia, Pa.	Star Soluble Bone and Potash.	Stockton .....
19034	" " "	Standard Bone Phosphate...	Baltimore .....
19035	" " "	Star Soluble Bone and Potash.	Baltimore .....
19031	A. A. C. Co., (Wheeler) Rutland, Vt.	Bone and Potash.....	Baltimore .....
18963	" " "	Electrical Dissolved Bone..	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19033	1.13	1.00	2.23	2.00	1.55	....	7.74	8.00	$16.66	$15.60
18863	3.40	3.00	4.17	4.00	1.00	....	8.96	8.00	28.92	25.60
18900	1.16	1.00	4.20	4.00	1.52	....	8.06	8.00	19.12	17.60
19450	2.44	2.00	2.50	2.00	1.47	....	8.29	8.00	22.80	19.60
18997	....	....	2.22	2.00	1.12	....	10.10	10.00	11.53	11.00
19009	1.35	1.25	2.31	2.00	1.10	....	8.43	8.00	18.27	16.60
19030	3.28	4.00	6.16	7.00	1.25	....	8.34	8.00	29.79	32.60
18807	....	....	3.30	2.00	1.87	....	12.04	12.00	14.51	12.80
18801	4.06†	5.00	3.24	2.50	.75	....	5.93	5.00	26.90	21.00
19018	2.01	2.00	2.19	2.00	1.10	....	8.51	8.00	20.88	19.60
19041	1.31	1.00	1.43	1.00	1.75	1.00	7.02	7.00	15.79	13.80
19084	....	....	5.73	5.00	1.10	....	11.62	12.00	16.41	15.80
18864	2.13	2.00	5.35	5.00	1.32	....	8.50	8.00	24.60	22.60
19090	....	....	2.01	2.00	1.20	....	10.24	10.00	11.47	11.00
19019	....	....	....	....	1.05	....	14.04	14.00	12.85	12.60
18915	....	....	....	....	1.35	....	14.35	14.00	13.19	12.60
18996	....	....	2.22	2.00	1.32	....	10.19	10.00	11.65	11.00
19034	1.81	2.00	2.11	2.00	1.27	....	8.21	8.00	19.71	19.60
19035	....	....	2.12	2.00	.97	....	9.82	10.00	11.15	11.00
19031	....	....	3.07	3.00	1.75	....	12.01	12.00	14.23	13.80
18963	....	....	....	....	1.50	....	14.23	14.00	13.11	12.60

† Contains Nitrate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
18998	A. A. C. Co., (Wheeler) Rutland, Vt.	General Crop Grower.....	Princess Anne....
18941	" " "	High Grade Tomato Fertilizer.	Baltimore .....
18837	" " "	Wheat and Clover Fertilizer	Baltimore .....
18888	A. A. C. Co., (Zell) Baltimore, Md.	Ammoniated Bone Phosphate	White Hall.....
18974	" " "	Dissolved Bone Phosphate..	Taneytown .....
19020	" " "	Economizer Phosphate.....	Baltimore .....
18975	" " "	Electric Phosphate.....	Taneytown .....
18889	" " "	Fine Ground Bone.....	White Hall.....
19438	" " "	Hustler Phosphate.....	Baltimore .....
18976	" " "	Little Giant.....	Union Mills.....
18838	" " "	Special Compound for Potatoes and Vegetables.	Baltimore .....
19021	American Fertilizing Co., Baltimore, Md.	Double Extra Bone and Potash.	Baltimore .....
18876	" " "	Excelsior Guano.....	Baltimore .....
18822	" " "	Fish and Bone Compound..	Baltimore .....
19056	" " "	Fish and Bone Compound..	Hurlock (J. K. Lecompt).
19058	" " "	Fish and Bone Compound..	Hurlock (C. C. Carroll).
19036	" " "	High Grade Acid Phosphate	Baltimore .....
19057	" " "	Kainit	Hurlock (J. K. Collins).
19077	" " "	Muriate of Potash.....	Bethlehem (J. E. Perry).
18823	" " "	Prize Truck Guano.....	Baltimore .....
18824	" " "	Special Compound Guano..	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
18998	2.27	2.00	2.32	2.00	1.50	....	8.16	8.00	$21.79	$19.60
18941	1.19	1.00	1.78	1.00	.95	....	7.66	7.00	16.11	13.40
18837	....	....	2.28	2.00	1.10	....	10.61	10.00	12.05	11.00
18888	2.08	2.00	2.43	2.00	1.60	....	7.96	8.00	20.94	19.60
18974	....	....	....	....	1.62	....	13.84	14.00	12.78	12.60
19020	1.09	1.00	2.61	2.00	1.30	....	8.55	8.00	17.75	15.60
18975	....	....	2.41	2.00	1.70	....	10.68	10.00	12.16	11.00
18889	3.16	3.00	....	....	22.44*	22.00*	....	....	26.10	25.20
19438	1.25	1.00	3.09	3.00	1.37	....	8.39	9.00	18.71	17.80
18976	1.16	1.00	1.79	1.00	1.45	....	7.30	7.00	15.77	13.40
18838	3.07	3.00	4.50	4.00	1.22	....	8.30	8.00	27.23	25.60
19021	....	....	5.54	5.00	.80	1.00	12.70	12.00	17.13	16.00
18876	1.89	2.00	5.59	5.00	.67	1.00	8.51	8.00	23.63	23.00
18822	2.03	2.00	3.50	3.00	2.17	1.00	8.45	8.00	22.63	21.00
19056	1.96	2.00	3.67	3.00	2.05	1.00	8.20	8.00	22.17	21.00
19058	1.96	2.00	3.58	3.00	2.22	1.00	8.28	8.00	22.25	21.00
19036	....	....	....	....	.95	1.00	13.09	14.00	11.97	12.80
19057	....	....	12.70	12.00	....	....	....	....	.....	....
19077	....	....	50.32	80.00‡	....	....	....	....	.....	....
18823	2.05	2.00	9.64†	10.00	.97	1.00	8.01	8.00	29.77	28.00
18824	1.60	.50	3.14	3.00	1.80	1.00	7.79	7.00	19.61	13.80

‡Muriate of Potash.
†From Sulphate of Potash.
* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19043	American Fertilizing Co., Baltimore, Md.	Special Formula	Easton
18859	" " "	Special Potato Manure	Baltimore
19055	" " "	Special Potash Mixture	Hurlock (J. K. Collins).
18920	" " "	Special Potash Mixture	Baltimore
18870	" " "	Special Super-Phosphate	Baltimore
18877	" " "	Special Super-Phosphate	Baltimore
18878	" " "	Stable Manure Substitute	Baltimore
19078	" " "	Tankage	Bethlehem (J. E. Perry).
19050	Armour Fertilizer Works, Baltimore, Md.	Acid Phosphate	Oak Grove, Del., (J. N. Wright).
18903	" " "	Acidulated Bone Black	Baltimore
18904	" " "	Acidulated Bone Meal	Baltimore
18956	" " "	All Soluble	Denton
18802	" " "	Bone, Blood and Potash	Baltimore
18930	" " "	Bone, Blood and Potash	Stockton
18957	" " "	Bone Meal	Greensboro
18879	" " "	Cereal Phosphate	Baltimore
19052	" " "	Fish Tankage	Oak Grove, Del., (J. N. Wright).
18855	" " "	Fruit and Root Crop Special	Baltimore
18890	" " "	Grain Grower	Glen Morris
18803	" " "	High Grade Potato	Baltimore
18931	" " "	Manure Substitute	Stockton

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19043	.63	.50	1.27	1.00	1.42	1.00	7.44	8.00	$13.29	$13.00
18859	3.26†	5.00	6.31	7.00	1.35	1.00	7.29	6.00	28.64	34.60
19055	....	....	4.35	4.00	1.97	1.00	8.15	8.00	12.08	11.40
18920	....	....	4.17	4.00	.82	1.00	8.74	8.00	12.20	11.40
18870	....	....	2.52	3.00	.92	1.00	4.48	6.00	6.73	8.60
18877	....	....	3.02	3.00	1.22	1.00	5.86	6.00	8.53	8.60
18878	2.24	3.00	4.48	4.00	1.50	1.00	7.79	7.00	23.39	24.80
19078	9.32	10.00	....	....	10.12	...	....	....	34.03	30.00
19050	....	....	....	....	.13	.50	15.62	16.00	14.09	14.50
18903	....	....	....	....	.07	.50	18.04	18.00	16.25	16.30
18904	2.10	2.00	....	....	3.70	.50	11.49	11.00	23.67	21.40
18956	3.38†	3.50	4.88	4.00	.75	...	8.01	8.00	28.31	27.60
18802	4.85†	5.00	7.13	7.00	.72	.50	8.73	8.00	37.47	31.80
18930	4.69†	5.00	7.49	7.00	1.20	.50	8.11	8.00	36.46	36.80
18957	2.58	3.00	....	....	24.07*	24.00*	....	....	24.76	26.40
18879	....	....	....	....	.17	5.00	9.95	10.00	8.99	9.10
19052	10.58	11.00	....	....	7.83*	....	....	....	36.44	33.00
18855	1.88	2.00	4.88	5.00	.65	.50	7.69	8.00	21.89	22.60
18890	2.05	2.00	2.30	2.00	1.75	....	7.94	8.00	20.73	19.00
18803	1.93†	2.00	10.20	10.00	.90	.50	8.06	8.00	27.95	27.80
18931	3.79†	4.00	4.46	4.00	.30	.50	6.46	6.00	27.49	27.40

† Contains Nitrate.
* Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19051	Armour Fertilizer Works, Baltimore, Md.	Muriate of Potash.....	Oak Grove, Del., (J. N. Wright).
18932	" " "	Phosphate and Potash No. 1	Stockton .....
18856	" " "	Phosphate and Potash No 2	Baltimore .....
19010	" " "	Phosphate and Potash.....	Baltimore .....
18933	" " "	Raw Animal Bone.....	Stockton .....
18942	" " "	Raw Bone Meal.....	Baltimore .....
18821	" " "	Royal Ammoniated Bone...	Baltimore .....
18905	" " "	Special Mixture.....	Baltimore .....
19059	" " "	Special Mixture.....	Greensboro, (F. P. Roe).
18865	" " "	Special Trucker.....	Baltimore .....
18853	" " "	Star Phosphate.....	Baltimore .....
18943	" " "	Superior Bone and Potash..	Baltimore .....
19022	" " "	Tobacco Special.....	Baltimore .....
18866	" " "	Tomato Grower.....	Baltimore .....
18880	" " "	Trucker 7 Per Cent.....	Baltimore .....
18989	" " "	Truck and Berry Special...	Federalsburg .....
18867	" " "	Wheat and Clover Fertilizer	Baltimore .....
18958	" " "	Wheat and Grass Special..	Greensboro .....
18857	" " "	Wheat, Corn and Oats Special.	Baltimore .....
18897	" " "	Wheat Special.....	Baltimore .....
19011	Atlantic Fertilizer Co., Baltimore, Md.	Arrow Brand.....	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19051	....	....	50.04	50.00	.....	.....	....	....	$	$ ....
18932	....	....	2.40	2.00	.17	.50	9.79	10.00	11.24	11.10
18856	....	....	4.89	5.00	.15	.50	8.03	8.00	12.15	12.30
19010	....	....	4.88	5.00	.07	.50	11.76	12.00	15.47	15.90
18933	3.75	4.50	....	....	21.01*	22.00*	....	....	27.61	31.20
18942	3.89	4.50	....	....	20.07*	22.00*	....	....	27.60	31.20
18821	1.02	1.00	4.20	4.00	.80	.50	8.03	8.00	18.24	17.80
18905	.73	.50	1.40	1.00	.42	.50	7.82	8.00	13.87	12.80
19059	3.38†	3.50	5.60	5.00	3.30	...	8.48	7.00	30.62	27.40
18865	3.84†	4.00	4.02	4.00	.50	.50	7.82	8.00	28.96	29.80
18853	....	....	....	....	.45	.50	14.45	14.00	13.10	12.70
18943	1.01	1.00	7.27	7.00	.37	.50	8.11	8.00	21.19	20.80
19022	2.63†	3.00	2.07	3.00	.57	.50	8.74	8.00	23.31	24.80
18866	1.95	2.00	2.23	2.00	.97	.50			21.00	19.80
18880	6.48†	7.00	5.14	5.00	.35	.56	6.33	6.00	38.80	40.42
18989	2.39†	3.00	10.03	10.00	.95	...	8.15	8.00	29.75	31.60
18867	....	....	5.14	5.00	.15	.50	10.03	10.00	14.20	14.10
18958	1.02	1.00	5.57	5.00	.61	.	7.01	7.00	18.30	17.40
18857	1.02	1.00	1.47	1.00	.82	.	7.21	7.00	14.53	13.40
18897	1.64	1.00	2.47	2.00	.47	.	7.56	8.00	18.29	15.60
19011	1.42	1.21	5.11	4.00	1.57	.	6.78	7.00	19.56	17.24

† Contains Nitrate. *Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
18826	Atlantic Fertilizer Co., Baltimore, Md.	Big 4 Blood, Bone. Fish and Potash.	Baltimore .....
19439	" " "	Big 4 Blood, Bone, Fish and Potash.	Baltimore .....
19082	" " "	Crop Producer.....	Centreville .....
19023	" " "	Dissolved Bone Phosphate...	Baltimore .....
19459	" " "	Dissolved Bone Phosphate...	Crumpton .....
18827	" " "	Early Truck and Vegetable Manure.	Baltimore .....
18828	" " "	Farmers Alkaline Bone....	Baltimore .....
18915	" " "	Gold Medal.....	Baltimore .....
19440	" " "	High Grade Bone and Potash.	Baltimore .....
19083	" " "	Jumbo Crop Grower.....	Centreville .....
18944	" " "	Matchless Animal Bone Crop Food.	Baltimore .....
18839	" " "	Potato and Vegetable Compound, 7 Per Cent.	Baltimore .....
18829	" " "	Standard Bone Compound..	Baltimore .....
18977	Baltimore Fertilizer Co., Baltimore, Md.	Honest Acid Phosphate.....	Lineboro .....
19085	" " "	Honest Ammoniated Bone..	Baltimore .....
18964	" " "	Honest A. K. Bone.....	Baltimore .....
18928	" " "	Honest Bone Phosphate....	Baltimore .....
19025	" " "	Honest Bone and Potash....	Baltimore .....
18808	" " "	Honest Potato Grower.....	Baltimore .....
19441	" " "	Honest Revenue.....	Baltimore .....
19096	" " "	Honest Standard.....	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
18826	3.01	3.00	6 61	6.00	.80	....	6.74	6.00	$27.06	$25.20
19439	3.14	3.00	7.04	6.00	1.80	....	6.38	6.00	27.98	25.20
19082	.85	.50	1.42	1.00	5.02	....	6.81	8.00	13.20	12.60
19023	...	....	....	....	2.17	....	13.05	14.00	12.18	12.60
19459	...	....	....	....	.92	....	15.77	16.00	14.37	14.40
18827	4.59	4.00	5.74	5 00	.58	.. .	6.35	6.00	31.95	28.20
18828	....	....	2.98	2 00	27	. .	9.98	10.00	12 01	11.00
18913	3.28	2.00	5.62	3.00	1.57	....	5.86	8.00	26.40	20.60
19440	....	....	5.70	5.00	1.32	....	12.05	12.00	16.81	15.80
19083	....	....	4.64	5.00	.97	....	8.53	8.00	12.51	12.20
18944	.84	.50	3.71	3.00	1.07	1.00	7.12	8.00	16.04	15.00
18839	6.38†	7.00	5.62	5.00	.72	....	7.60	6.00	40.55	40.20
18829	2.64	2.00	3.63	2.00	.70	....	8.59	8.00	24.78	19.60
18977	. ..	....	....	....	1.00	....	14.94	14.00	13.65	12.60
19085	2.47†	2.00	2.83	2.00	1.60	....	6.98	8.00	21.73	19.60
18964	....	....	3.23	3.00	.15	....	8.25	8.00	10.69	10.20
18928	.70	1.00	1.74	1.00	1.35	....	7.72	7.00	14.34	13.40
19025	....	....	2.39	2.00	.42	....	10.01	10.00	11.48	11.00
18808	2.17	2.00	8.68	8.00	.57	....	6.19	8.00	25.02	25.60
19441	2.78†	3.00	6.44	6.00	.77	....	8.22	7.00	27.73	26.40
19096	1.93	1.25	4.40	3.00	1.27	....	7.94	10.00	22.16	20.00

† Contains Nitrate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
18843	Baltimore Fertilizer Co., Baltimore, Md.	Honest Success.....	Baltimore .....
18929	" " "	Honest Trucker.....	Baltimore .....
18846	" " "	Old Honesty.....	Baltimore .....
18844	Baltimore Pulverizing Co., Baltimore, Md.	Ammoniated Butchers Bone.	Baltimore .....
18945	" " "	Eastern Shore Corn Grower	Baltimore .....
18916	" " "	Penniman's Special Guano..	Baltimore .....
18845	" " "	Penniman's Excelsior Fertilizer.	Baltimore .....
18853	" " "	Sweet Potato.....	Baltimore .....
18830	" " "	Truckers Choice.....	Baltimore .....
18934	Baugh & Sons Co., Baltimore, Md.	Acid Phosphate 14%.....	Stockton .....
18901	" " "	Acid Phosphate 16%.....	Baltimore .....
18811	" " "	Ammoniated Soluble Alkaline.	Baltimore .....
18809	" " "	Animal Bone and Potash Compound.	Baltimore .....
18804	" " "	Complete Animal Bone.....	Baltimore .....
18952	" " "	Double Eagle Raw Bone Super-Phosphate.	Hancock .....
18847	" " "	Excelsior Guano.....	Baltimore .....
18921	" " "	Export Bone with Potash..	Baltimore .....
18906	" " "	Farmers Friend Guano.....	Baltimore .....
18860	" " "	Fine Ground Bone.....	Baltimore .....
18935	" " "	Fine Ground Dried Fish...	Stockton .....
19091	" " "	Fish Mixture.....	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
18843	1.28	1.00	4.09	4.00	.70	....	7.09	7.00	$18.00	$16.40
18929	4.50	5.00	5.04	5.00	1.75	....	6.94	6.00	32.07	32.20
18846	.85	.50	2.47	2.00	.80	....	8.04	8.00	15.84	13.60
18844	1.53	1.50	2.09	1.50	1.82	....	9.37	9.00	20.18	18.30
18945	....	....	2.95	2.00	1.30	....	10.75	10.00	12.89	11.00
18916	1.26	1.00	1.87	1.00	2.07	....	9.20	8.00	18.78	14.60
18845	....	....	3.90	2.60	2.85	....	8.43	10.00	12.06	11.60
18833	1.16	1.00	4.76	8.00	1.17	....	8.59	8.00	20.18	21.60
18830	2.53	3.00	4.65	3.00	.70	....	9.61	8.00	26.58	24.60
18934	....	....	....	....	.92	....	15.34	14.00	13.99	12.60
18901	....	....	....	....	.57	....	16.20	16.00	14.69	14.40
18811	.90	.50	2.29	2.00	1.12	....	8.22	8.00	16.20	13.60
18809	2.25†	2.00	2.43	2.00	2.12	....	8.19	8.00	22.11	19.60
18804	2.20†	2.00	5.43	5.00	1.15	....	8.62	8.00	25.03	22.60
18952	2.35	2.00	1.62	1.00	2.02	....	8.53	8.50	22.07	19.20
18847	1.09†	1.00	4.72	4.00	.92	....	8.17	8.00	19.25	17.60
18921	2.24	2.00	4.02	2.00	6.20	....	5.31	11.00	21.83	23.20
18906	5.22†	5.00	5.63	5.00	2.52	....	5.61	6.00	34.25	32.20
18860	3.63	3.00	....	....	21.06*	22.90*	....	....	27.16	25.74
18935	9.08	10.00	....	....	10.04*	6.87*	....	....	33.26	34.12
19091	2.30	2.00	2.47	2.00	2.30	...	8.11	8.00	22.32	19.60

† Contains Nitrate.

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19455	Baugh & Sons Co., Baltimore, Md.	General Crop Grower.....	Fallston .....
18953	" " "	Grand Rapid High Grade Truck Guano.	Mt. Airy.....
18810	" " "	High Grade Acid Phosphate	Baltimore .....
18907	" " "	High Grade Cotton and Truck Guano.	Baltimore .....
18840	" " "	High Grade Potash Mixture	Baltimore .....
18965	" " "	High Grade Truck.....	Stockton .....
18936	" " "	Muriate of Potash.....	Stockton .....
18954	" " "	One Quarter Mixture.....	Lydia .....
18902	" " "	Peninsula Grain Producer..	Baltimore .....
18812	" " "	Peruvian Guano 10%.....	Baltimore .....
18848	" " "	Peruvian Guano Substitute for Potatoes.	Baltimore .....
18922	" " "	Phosphate and Potash 12 x 5	Baltimore .....
19026	" " "	Phosphate and Potash 10 x 5	Baltimore .....
18978	" " "	Phosphate and Potash 12 x 3	Detuor .....
19092	" " "	Potato Guano 7%.....	Baltimore .....
18813	" " "	Potato and Truck Special..	Baltimore .....
18835	" " "	Pure Dissolved Animal Bone	Baltimore .....
18836	" " "	Raw Bone Meal.....	Baltimore .....
18868	" " "	Soluble Alkaline Super-Phosphate.	Baltimore .....
18814	" " "	Special Potato Manure.....	Baltimore .....
18871	" " "	Tomato Compound.....	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19455	1.28	1.00	1.77	1.00	1.70	....	8.07	8.00	$17.25	$14.60
18953	3.34	3.00	3.46	3.00	1.55	....	8.52	8.00	27.66	24.60
18810	....	....	....	....	.45	....	16.22	14.00	14.69	12.60
18907	2.25	2.00	2.64	2.00	1.40	....	10.59	10.00	24.91	22.00
18840	....	....	4.38	4.00	1.80	....	10.08	10.00	13.81	13.00
18965	2.34	3.00	5.17	3.00	4.10	....	8.94	8.00	26.90	24.60
18936	....	....	52.56	50.00	....	....	....	....	.....	.....
18954	1.76	1.75	3.32	3.00	4.17	....	8.50	12.00	22.23	24.40
18902	1.31	1.21	2.51	2.00	2.17	....	8.48	8.00	18.80	16.44
18812	10.18	10.00	....	....	3.60	....	7.18	....	50.78	40.00
18848	5.29†	5.00	7.83	7.00	2.20	....	5.63	6.00	36.63	34.20
18922	....	....	6.45	5.00	1.50	....	11.76	12.00	17.33	15.80
19026	....	....	5.51	5.00	1.40	....	9.26	10.00	14.12	14.00
18978	....	....	3.95	3.00	2.25	....	10.92	12.00	14.23	13.80
19092	7.06	7.00	3.36	5.00	1.42	....	6.45	6.00	39.91	40.20
18813	3.53†	3.50	7.26	7.00	2.25	....	7.09	7.00	30.79	29.40
18835	2.66	2.50	....	....	2.57	....	13.27	13.00	27.59	25.60
18836	4.61	4.50	....	....	21.28*	21.00*	.....	.....	31.21	30.60
18868	....	....	2.34	2.00	1.35	....	10.08	10.00	11.68	11.00
18814	2.15†	2.00	11.07	10.00	1.52	....	5.27	5.00	26.60	24.00
18871	2.27	2.00	3.19	2.00	1.52	....	8.52	8.00	23.10	19.60

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19442	Baugh & Sons Co., Baltimore, Md.	Wrapper Leaf Special Manure.	Baltimore .....
19047	Beck - Walker Co., Chestertown, Md.	Corn Phosphate.....	Chestertown .....
19048	" " "	10-5	Chestertown .....
19049	" " "	Try Me Super-Phosphate...	Chestertown .....
19000	Berg Company, Philadelphia, Pa.	Raw Bone.....	Rising Sun.....
18969	" " "	Standard Bone Manure.....	Fallston .....
18970	" " "	Vigor Volo.....	Fallston .....
18955	W. H. Bixler, Hagerstown, Md.	Bone Phosphate.....	Hagerstown .....
18988	Jas. Bonday Jr., & Co., Baltimore, Md.	Old Reliable Brand Genuine Kainit.	Eakles Mills .....
18994	Bryant Fertilizer Co., Alexandria, Va.	Potato and Vegetable Grower.	Gaithersburg .....
19001	Henry Cope & Co., Lincoln University, Pa.	Potato and Corn Phosphate.	Rising Sun.....
19002	" " "	Queen of Elk Valley Phosphate.	Rising Sun.....
18971	Josiah Cope & Co., Oxford, Pa.	Ammoniated Bone Fertilizer	Conowingo .....
19003	" " "	Potato and Tobacco Phosphate.	Rising Sun.....
19004	" " "	Pure Bone Phosphate.....	Rising Sun.....
18992	Dempwolf Fertilizer Co., York, Pa.	Half and Half.....	Cardiff .....
18959	L. E. P. Dennis & Son, Crisfield, Md.	Fish and Potash Mixture No. 2.	Goldsboro .....
18960	" " "	Klondike Fish and Potash Mixture.	Goldsboro .....
18999	" " "	Special Round Potato Mixture.	Crisfield .....
18961	L. E. P. Dennis & Son, Crisfield, Md.	Truck and Tomato.....	Goldsboro .....
19027	Dudley & Carpenter, Baltimore, Md.	California Tobacco Compound.	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19442	3.84†	4.00	5.04	5.00	1.87	....	4.11	3.50	$26.08	$25.20
19047	1.28†	1.00	4.19	4.00	2.10	....	8.21	8.00	20.00	17.60
19048	....	....	5.55	5.00	1.45	....	10.12	10.00	14.95	14.00
19049	.58†	.50	3.53	3.00	1.75	....	9.28	9.00	17.69	15.80
19000	4.45	3.65‡	....	....	21.78*	20.00*	....	..49	30.87	26.60
18969	2.80†	3.65‡	6.69	6.00	2.82	....	8.61	8.00	29.35	29.60
18970	2.29	2.43¶	4.82	5.00	5.75	....	8.42	8.89	26.38	36.32
18995	1.52	1.50	2.89	2.50	3.70	....	9.02	8.00	21.27	18.10
18988	....	....	12.83	12.00	....	....	....	....	.....	.....
18994	1.96	2.00	3.78	3.00	2.25	....	8.14	8.00	22.29	20.60
19001	1.71†	1.50	4.93	4.00	1.62	....	7.83	7.00	21.82	18.40
19002	2.01	2.00	8.47	8.00	.72	....	7.36	7.00	25.63	24.40
18971	1.14	1.00	3.37	3.00	1.17	....	10.71	10.00	21.25	19.00
19003	1.19	1.00	7.34	7.00	1.52	....	10.74	10.00	25.60	23.00
19004	2.47	2.25	4.21	4.00	3.68	4.50	9.98	9 00	27.54	25.60
18992	1.13	1.00	1.32	1.00	.55	....	7.23	7.00	14.74	13.40
18959	1.96	2.00	4.94	3.00	.83	....	7.03	7.00	21.55	19.40
18960	1.54	1.21	2.43	2.00	.97	....	6.65	8.00	16.96	16.44
18999	4.73†	5.00	6.82	6.00	1.67	....	5.84	6.00	32.42	33.20
18961	2.80	3.00	3.54	3.00	1.10	....	6.66	7.00	23.17	23.40
19027	4.06	4.00	2.32	2.00	2.65	....	7.71	8.00	28.87	27.60

‡Nitrogen 3%=Ammonia3.65% ¶Nitrogen 2%=Ammonia 2.43%
*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19093	Edelen Bros, Baltimore, Md.	High Grade Tobacco Fertilizer.	Baltimore .....
19086	" " "	Special Tobacco Guano.....	Baltimore .....
18938	" " "	Special Wheat and Grain Mixture.	Baltimore .....
18979	Englar Bros. & Co., Linwood, Md.	Ammoniated Bone Phosphate No. 1.	Linwood .....
18980	" " "	Ammoniated Bone Phosphate No. 2.	Linwood .....
18891	Eureka Fertilizer Co., Perryville, Md.	Complete Compound.....	White Hall.....
18923	" " "	Corn and Potato Special....	Baltimore .....
18892	" " "	Farmers Favorite.....	White Hall.....
19005	" " "	P. & P. Super-Phosphate...	Rising Sun.....
18893	" " "	Potato and Vegetable.....	White Hall.....
19037	W. S. Farmer & Co., Baltimore, Md.	Anne Arundel Trucker.....	Baltimore .....
18908	" " "	B. & P. Phosphate.....	Baltimore .....
18898	" " "	Clyde Brand.....	Baltimore .....
19087	" " "	Dissolved S. C. Bone.....	Baltimore .....
18849	" " "	Dissolved S. C. Bone.....	Baltimore .....
19012	" " "	Empire Alkaline Bone.....	Baltimore .....
18946	" " "	Fish Mixture.....	Baltimore .....
18918	" " "	Harvest Queen	Baltimore .....
19094	" " "	Potato and Tobacco Phosphate.	Baltimore .....
18881	" " "	Standard Phosphate.....	Baltimore .....
18850	" " "	Truckers Compound.....	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
									$	$
19093	4.10†	6.00	3.46	4.00	.72	....	10.34	4.00	32.56	32.80
19086	2.88†	3.00	3.01	3.00	2.77	....	8.02	8.00	25.26	24.60
18938	1.33†	1.00	3.03	2.00	1.15	....	8.44	9.00	18.94	16.80
18979	1.95	2.00	2.67	1.50	1.35	....	8.63	9.50	21.37	20.90
18980	1.13	1.00	2.94	2.40	.65	....	9.95	9.80	19.66	18.16
18891	1.01	1.00	5.32	5.00	1.57	....	7.50	7.00	18.99	17.40
18923	1.09	1.00	3.46	3.00	1.57	....	9.02	9.00	19.27	17.80
18892	2.01	2.00	2.17	2.00	2.40	....	8.98	8.00	21.95	19.60
19005	....	....	....	..00	1.35	....	14.51	14.00	13.33	12.60
18893	1.88	2.00	4.31	4.00	2.35	....	8.35	8.00	22.79	21.60
19037	4.16	4.50	6.77	7.00	.95	....	7.55	8.00	32.85	34.60
18908	....	....	2.16	2.00	1.00	....	10.19	10.00	11.53	11.00
18898	1.35	1.00	2.33	2.00	1.22	....	8.37	8.00	18.26	15.60
19087	....	....	....	..00	1.12	....	13.83	14.00	12.67	12.60
18849	....	....	....	....	1.07	....	14.27	14.00	13.05	12.60
19012	....	....	5.49	5.00	.67	....	10.01	10.00	14.63	14.00
18946	2.22	2.00	2.21	2.00	.95	....	9.03	8.00	22.31	19.60
18918	1.31	1.25	3.17	3.00	1.50	....	8.88	9.00	19.67	18.80
19094	2.10	2.00	10.13	10.00	1.32	....	8.01	8.00	28.67	27.60
18881	2.73	2.63	2.82	2.50	1.32	....	10.08	10.00	26.37	25.02
18850	3.02	3.00	4.01	4.00	1.40	....	8.75	8.00	27.15	25.60

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
18981	Farmers' Fertilizer & Feed Co., Westminster, Md.	Bone Phosphate No. 1.....	Westminster .....
18982	" " "	Bone Phosphate No. 2.....	Westminster .....
18983	" " "	Bone Phosphate No. 3.....	Westminster .....
18984	" " "	Carroll Bone Phosphate....	Westminster .....
18985	" " "	X. X. Bone Phosphate.....	Westminster .....
18990	Farmers' & Planters' Co., Salisbury, Md.	Fish Mixture.....	Preston .....
18966	" " "	General Crop Grower.....	Salisbury .....
18961	" " "	Special Fish Mixture.....	Salisbury .....
18991	" " "	Truckers Mixture.....	Preston .....
18872	J. W. Freeman, Great Mills, Md.	Crop Grower.....	Baltimore .....
19097	T. H. Gill, Avalon, Va.	Fish Mixture.....	Baltimore .....
19443	" " "	Try Me Fertilizer.....	Baltimore .....
18841	Griffith & Boyd Co., Baltimore, Md.	Accomac Trucker.....	Baltimore .....
18995	" " "	Buyers' Mixture.....	Clarksville .....
18894	" " "	Farmers Potato Manure.....	White Hall.....
18816	" " "	Fish, Bone and Potash.....	Baltimore .....
18873	" " "	Gem Phosphate.....	Baltimore .....
18899	" " "	Gilt Edge Crop Guano.....	Baltimore .....
18842	" " "	High Grade Acid Phosphate	Baltimore .....
19095	" " "	Nitro Crop Feeder.....	Baltimore .....
18919	" " "	Original Super-Phosphate...	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
18981	2.37	2.50	2.51	2.50	1.27	2.00	8.88	9.00	$23.16	$24.10
18982	1.84	2.00	3.11	2.50	1.57	1.00	8.84	9.00	21.71	21.70
18983	1.47	1.00	3.94	3.00	.97	1.00	8.12	8.00	19.95	17.00
18984	.77	.75	2.59	2.00	.57	1.00	8.90	7.00	16.58	13.80
18985	1.19	1.00	3.38	3.00	.82	1.00	9.11	9.00	19.40	18.20
18990	1.43	2.00	2.72	2.00	1.32	....	9.36	8.00	20.20	19.60
18966	1.14	1.00	2.75	2.00	1.22	....	10.06	10.00	19.87	18.00
18967	2.10	2.50	5.38	5.00	1.45	....	8.29	8.00	24.31	18.60
18991	3.12†	3.50	4.05	4.00	1.52	....	8.28	8.00	27.08	27.60
18872	1.13	1.00	1.36	1.00	.87	1.50	8.16	8.00	16.02	15.20
19097	2.18†	2.00	2.33	2.00	1.85	....	10.28	9.00	24.13	20.80
19443	2.13†	2.00	2.50	2.00	1.97	....	9.95	9.00	23.75	20.80
18841	5.05†	5.00	5.07	5.00	1.50	....	7.16	6.00	34.46	32.20
18995	....	....	5.02	5.00	2.52	....	12.08	12.00	16.39	15.80
18894	1.30	1.00	9.01	9.00	1.67	....	8.28	8.00	24.82	22.60
18816	2.05	1.75	3.20	3.00	2.55	....	7.97	7.00	22.18	18.40
18873	....	....	3.79	3.00	2.00	....	6.91	6.05	10.41	8.85
18899	2.32	2.00	9.37	10.00	1.90	....	8.51	8.00	29.62	27.60
18842	....	....	....	....	2.32	....	13.78	14.00	12.86	12.60
19095	7.03†	9.00	4.35	2.50	....	....	....	....	32.47	38.50
18919	....	....	....	....	3.12	....	11.15	12.00	10.66	10.80

† Contains Nitrate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
18883	Griffith & Boyd Co., Baltimore, Md.	Peerless Fertilizer	Baltimore .....
18972	" " "	Pure Fine Ground Bone Meal.	Havre De Grace..
18914	" " "	Royal Potash Guano.....	Baltimore .....
19044	" " "	Soluble Mixture 12 x 5..	Colora .....
19038	" " "	Special Grain Grower.....	Baltimore .....
19013	" " "	Special Guano	Baltimore .....
18831	" " "	Spring Crop Grower.....	Baltimore .....
18811	" " "	Stable Manure Substitute...	Baltimore .....
19061	" " "	Stable Manure Substitute...	Hobbs (F. Mitchell).
18874	" " "	Valley Fertilizer	Baltimore .....
18917	" " "	Vegetable Bone	Baltimore .....
18909	" " "	X. X. Potash Manure.....	Baltimore .....
18882	Griffith & Turner Co., Baltimore, Md.	Ammoniated Alkaline Plant Food.	Baltimore .....
19014	" " "	Ammoniated Butchers' Bone Phosphate.	Baltimore .....
19039	" " "	High Grade Acid Phosphate.	Baltimore .....
19028	" " "	Soft Ground Bone.....	Baltimore .....
18818	" " "	Special Potato Mixture.....	Baltimore .....
19311	Hampstead Fertilizer Co., Hampstead, Md.	Grain and Grass Grower..	Hampstead .....
19312	" " "	Honesty	Hampstead .....
19313	" " "	Standard	Hampstead .....
19422	W. R. Hearn & Son, Cambridge, Md.	Special Tomato Compound.	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
18883	.39	.35	3.87	2.00	1.40	..·..	9.72	8.00	$17.65	$13.00
18972	4.21	4.00	....	....	16.85*	22·00*	.....	·...·	26.95	29.20
18914	1.01	1.00	3.49	4.00	1.80	..·..	8.64	8.00	18.62	17.60
19044	....	....	4.94	5.00	2.07	.....	10.84	12.00	15.11	15.80
19038	....	....	2.49	2.00	2.32	.....	9.22	10.00	11.25	11.00
19013	1.74	2.00	4.94	5.00	1.45	.....	8.35	8.00	22.50	22.60
18831	2.01	2.00	4.61	4.50	1.70	.....	7.21	6.50	21.98	20.30
18817	3.33	3.50	4.83	4.00	1.32	....	6.24	5.00	26.17	24.00
19061	3.31	3.50	4.80	4.00	1.32	1.00	6.33	5.00	26.17	24.40
18874	.63	.50	3.33	3.00	1.92	....	8.07	8.00	16.30	14.60
18917	3.04	3.00	7.32	7.00	1.67	....	8.83	8.00	30.75	28.60
18909	....	·...	5.35	5.00	1.52	....	10.98	10.00	15.53	14.00
18882	1.06	1.00	2.94	1.50	1.87	1.00	7.49	6 50	16.92	13.70
19014	1.38	1.00	2.07	1.50	1.75	1.00	8.52	6.50	18.51	13.70
19039	....	....	....	....	1.07	1.00	14.36	14 00	13.13	12.80
19028	2.92	3.00	....	....	11.81*	11.00*	.....	.....	18.77	18.60
18818	1.14	1.00	5.15	5.00	1.00	.....	8.07	8.00	19.79	18.60
19311	2.39	2.00	2.53	2.00	.90	.....	8.28	8.00	22.39	19.60
19312	.94	1.00	2.57	2.00	1.15	.....	9.58	8.00	18.29	15.60
19313	1.45	1.25	3.70	3.00	1.47	.....	10.05	10.00	22.15	20.00
19422	1.88	1.50	8.27	7.00	.97	.....	7.59	8.00	25.29	22.60

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19225	S. M. Hess & Bro., Philadelphia, Pa.	Ammoniated Bone Super-Phosphate.	Baltimore .....
19368	" " "	Fish and Potash Manure...	Baltimore .....
19100	" " "	Keystone Bone Phosphate...	Baltimore .....
19185	" " "	Potato and Truck Manure..	Baltimore .....
19186	" " "	Soluble Bone.....	Baltimore .....
19287	" " "	Soluble Bone and Potash..	Baltimore .....
19404	" " "	Special Compound.....	Leslie .....
19259	" " "	Special Corn Manure.....	Baltimore .....
19139	" " "	Special Potato Manure.....	Baltimore .....
19076	Home Fertilizer & Chemical Works, Baltimore, Md.	Boykin's Alkaline Bone....	Ridge (W. V. Polleys).
19357	" " "	Boykin's Home Potato Grower.	Baltimore .....
19296	" " "	Fish, Bone and Potash.....	Blue Ball .....
19246	" " "	Matchless Guano.....	Baltimore .....
19444	" " "	Riosa Tobacco Compound..	Baltimore .....
19297	" " "	Special Mixture.....	Blue Ball .....
19419	" " "	Universal Compound.....	Baltimore .....
19445	" " "	Yancey's Formula for Yellow Leaf Tobacco.	Baltimore .....
19263	W. H. Hood, Mt. Airy, Md.	Special Mixture for Grain and Grass.	Mt. Airy .....
19253	Hubbard Fertilizer Co., Baltimore, Md.	Alkaline	Baltimore .....
19288	" " "	Animal Bone and Potash..	Baltimore .....
19236	" " "	Animal Bone and Potash..	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19225	2.22	2.00	2.39	2.00	1.57	....	8.11	8.00	$21.63	$19.60
19368	2.02	2.00	3.82	3.00	1.02	....	8.08	8.00	22.01	20.60
19100	1.14	1.00	1.32	1.00	1.50	....	8.22	8.00	16.34	14.60
19185	3.12	3.00	5.92	5.00	1.25	....	9.06	8.00	29.77	26.60
19186	....	....	....	....	1.27	....	14.24	14.00	13.07	12.60
19287	....	....	2.63	2.00	.65	....	10.13	10.00	11.88	11.00
19404	1.26	1.00	4.09	4.00	1.42	1.00	7.51	8.00	18.71	18.00
19259	1.06	1.00	2.20	2.00	1.05	....	8.78	8.00	17.40	15.60
19139	4.08	4.00	7.70	7.00	.92	....	8.18	8.00	34.21	32.60
19076	....	....	3.06	2.00	1.50	1.00	10.01	10.00	12.37	11.20
19357	4.21†	4.00	4.30	4.00	2.27	....	6.66	6.00	30.04	27.20
19296	1.89†	2.00	3.39	2.00	1.42	....	7.33	8.00	20.32	19.60
19246	2.05†	2.00	4.03	4.00	2.07	....	9.21	8.00	24.11	21.60
19444	3.17†	3.00	3.75	3.00	2.40	....	8.52	8.00	27.61	24.60
19297	1.13	1.00	7.40	7.00	1.60	.....	8.73	9.00	23.04	21.80
19419	....	....	3.25	3.00	.70	.....	7.60	6.00	10.23	8.40
19445	3.03†	3.00	2.81	2.00	2.45	.....	8.72	8.00	26.37	23.60
19263	1.11	1.00	2.35	2.00	2.65	.....	10.31	9.00	20.22	16.80
19253	....	....	4.84	5.00	1.60	.....	11.39	12.00	15.41	15.80
19288	1.28	1.25	2.95	3.00	1.75	.....	7.94	8.00	18.30	17.60
19236	1.43	1.00	3.56	3.00	2.20	.....	8.03	8.00	19.80	16.60

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19264	Hubbard Fertilizer Co., Baltimore, Md.	Beckley's Wheat, Clover & Bone Fertilizer.	Half Way .....
19420	" " "	Blood, Bone and Potash...	Baltimore .....
19254	" " "	Bone and Potash.....	Baltimore .....
19152	" " "	Climax Bone Super-Phosphate.	Baltimore .....
19192	" " "	Columbia Gem Phosphate..	Baltimore .....
19111	" " "	Farmers I. X. L.....	Baltimore .....
19140	" " "	Jersey Trucker.....	Baltimore .....
19155	" " "	Jewel Phosphate.....	Baltimore .....
19289	" " "	Oriental Phosphate.....	Baltimore .....
19112	" " "	Royal Ensign.....	Baltimore .....
19237	" " "	Royal Seal 7%.....	Baltimore .....
19144	" " "	Soluble Bone Phosphate....	Baltimore .....
19162	" " "	Soluble Bone 14%.....	Baltimore .....
19255	" " "	Special Mixture.....	Baltimore .....
19358	" " "	Standard Bone Phosphate..	Baltimore .....
19162	" " "	Warranted Raw Bone.....	Baltimore .....
19314	" " "	Wheat Grower Jewel.....	New Windsor....
19128	M. P. Hubbard & Co., Baltimore, Md.	Acme Bone Fertilizer.....	Baltimore .....
19182	" " "	Celebrated Bone Phosphate	Baltimore .....
19126	" " "	Excelsior Bone Phosphate..	Baltimore .....
19129	" " "	Fish, Bone and Potash.....	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19264	2.12	2.00	2.88	2.50	1.60	.....	12.07	12.00	$26.48	$24.90
19420	3.84†	4.00	7.04	7.00	.52	.....	8.87	8.00	33.25	32.60
19254	....	....	1.93	2.00	1.72	.....	11.89	10.00	12.97	11.00
19152	1.14	1.00	4.15	4.00	1.22	.....	8.90	7.00	19.88	16.40
19192	.51	.50	2.25	2.00	1.30	.....	8.68	8.00	15.23	13.60
19111	2.29	2.00	3.05	2.00	1.52	.....	8.01	8.00	22.43	19.60
19140	2.01†	2.00	10.26	10.00	1.87	.....	9.19	8.00	30.08	27.60
19153	1.62	1.25	6.84	5.00	1.75	.....	8.47	8.00	24.18	19.60
19289	1.09	1.00	2.17	2.00	1.72	.....	8.21	8.00	17.07	15.60
19112	3.21†	3.00	4.05	4.00	.97	.....	8.66	8.00	27.67	25.60
19237	5.17†	7.00	5.46	5.00	1.65	.....	7.55	6.00	35.86	40.20
19144	....	....	....	....	.17	.....	16.81	16.00	15.16	14.40
19161	....	....	....	....	1.07	.....	14.33	14.00	13.11	12.60
19255	....	....	3.87	4.00	1.55	.....	10.63	10.00	13.75	13.00
19358	2.27	2.00	3.70	3.00	1.40		7.35	8.00	22.16	20.60
19162	4.52	4.50	....	....	23.69*	53.00‡	....	....	32.29	49.80
19314	1.08	1.25	5.20	5.00	2.42	.....	7.62	8.00	19.63	19.60
19128	1.06	1.00	6.77	4.00	.52	.....	8.87	8.00	21.86	17.60
19182	2.03	2.00	3.17	2.00	1.25	.....	8.97	8.00	22.55	19.60
19126	1.33	1.00	3.32	2.00	1.27	.....	7.05	8.00	17.61	15.60
19129	.44	.25	1.92	1.00	.62	.....	7.51	6.00	12.94	9.20

*Total Phosphoric Acid. †Contains Nitrate. ‡Total Bone Phosphate Acid

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19218	M. P. Hubbard & Co., Baltimore, Md.	Harvest King	Baltimore .....
19260	" " "	Havana Special Bone Phosphate.	Baltimore .....
19177	" " "	Havana Special for Tobacco.	Baltimore .....
19163	" " "	Maryland Special Vegetable Grower.	Baltimore .....
19103	" " "	Maryland Special Vegetable Grower.	Baltimore .....
19130	" " "	Old Economy.....	Baltimore .....
19117	" " "	Soluble Bone and Potash..	Baltimore .....
19164	" " "	Soluble S. C. Phosphate....	Baltimore .....
19065	" " "	Special Mixture.....	WhiteHall .....
19066	" " "	Special Mixture.....	WhiteHall .....
19067	" " "	Special Mixture.....	WhiteHall .....
19068	" " "	Special Potato and Tomato	WhiteHall .....
19102	" " "	Special Potato and Tomato	Baltimore .....
19269	" " "	XXXX Bone and Potash Mixture.	Baltimore .....
19064	" " "	XXXX Bone and Potash Mixture.	WhiteHall .....
19381	S. L. Lamberd Co., Baltimore, Md.	Boss Fertilizer	Baltimore .....
19382	" " "	Favorite Fertilizer	Baltimore .....
19370	" " "	Special Anne Arundel	Baltimore .....
19371	" " "	Truck Phosphate.....	Baltimore .....
19430	Lister's Agricultural Chemical Works, Newark, N. J.	Alkaline Bone.....	Baltimore .....
19247	" " "	Atlas Brand Bone and Potash.	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19218	1.18	1.00	3.45	3.00	.55	....	10.64	9.00	$21.16	$17.80
19260	2.78	3.00	4.78	3.00	.65	....	9.09	8.00	27.07	24.60
19177	2.90†	2.50	3.83	2.50	1.12	....	9.03	9.00	26.72	23.30
19163	4.64†	5.00	7.89	5.00	.95	....	6.73	7.00	34.91	33.40
19103	5.14	5.00	5.48	5.00	.65	....	8.48	7.00	36.48	33.40
19130	.52	.50	3.07	2.00	.42	....	9.81	8.00	17.09	13.60
19117	....	....	2.85	2.00	.42	2.00	11.55	10.00	13.33	11.00
19164	....	....	.....	.....	.30	.....	15.18	14.00	13.72	12.60
19065	1.83	2.00	12.34	10.00	1.07	.....	10.10	11.00	32.21	31.20
19066	1.59	1.75	5.60	6.25	.85	.....	11.11	9.00	25.63	24.05
19067	3.02	3.25	5.49	6.25	9.15	.....	6.58	15.00	29.13	37.25
19068	1.77	2.00	6.09	5.00	.27	.....	8.29	7.00	23.23	21.40
19102	2.08	2.00	5.07	5.00	.80	.....	9.56	7.00	25.18	21.40
19369	....	....	4.01	5.00	.85	.....	12.03	12.00	15.01	15.80
19064	....	....	5.02	5.00	.02	....	13.43	12.00	17.11	15.80
19381	1.81	2.00	4.55	4.50	1.12	1.00	8.28	7.00	22.18	21.30
19382	1.06	1.00	2.51	2.00	.40	2.00	8.51	8.00	17.12	16.40
19370	1.77	3.00	4.55	3.00	1.50	1.00	9.20	8.00	23.27	25.00
19371	4.25	4.00	4.42	4.00	1.55	1.00	6.07	7.00	29.32	28.80
19430	....	....	2.57	2.00	.60	....	10.08	10.00	11.76	11.00
19247	....	....	5.24	5.00	1.17	....	11.85	12.00	16.14	15.80

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19242	Lister's Agricultural Chemical Works, Newark, N. J.	Bone Meal	Baltimore .....
19248	" " "	Buyers Choice 14%.....	Baltimore .....
19121	" " "	Celebrated Bone Acidulated	Baltimore .....
19165	" " "	Corn and Potato Fertilizer.	Baltimore .....
19131	" " "	Corn and Tomato Fertilizer	Baltimore .....
19306	" " "	"G" Brand Fertilizer.....	Havre De Grace..
19383	" " "	Golden Sheaf	Baltimore .....
19145	" " "	Harvest Queen Phosphate..	Baltimore .....
19118	" " "	Potato Manure	Baltimore .....
19384	" " "	Special Crop Producer.....	Baltimore .....
19423	" " "	Special 10% Fertilizer.....	Baltimore .....
19372	" " "	Special Potato Guano.....	Baltimore .....
19146	" " "	Standard Pure Bone Super-Phosphate of Lime.	Baltimore .....
19261	" " "	U. S. Super-Phosphate.....	Baltimore .....
19284	Mapes Formula & Peruvian Guano Co., New York, N.Y.	Fruit and Vine Manure...	Goldsboro .....
19125	D. B. Martin Co., Philadelphia, Pa.	Acid Phosphate	Baltimore .....
19458	" " "	Bullshead Fertilizer	Baltimore .....
19169	" " "	Clarmont Vegetable Grower	Baltimore .....
19197	" " "	Corn and Cereal Special..	Reisterstown .....
19178	" " "	Crop Producer.....	Baltimore .....
19349	" " "	Dissolved Animal Bone....	Kensington .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19242	3.26	3.25	....	....	26.48*	22.00*	....	....	$28.93	$26.20
19248	....	....	....	....	1.35	.....	14.05	14.00	12.92	12.60
19121	3.82	3.25	....	....	11.62*	12.00*	....	....	22.25	20.20
19165	2.12	2.00	3.39	3.00	1.55	....	8.15	8.00	22.27	20.60
19131	2.29	2.00	3.60	3.00	1.90	....	7.95	8.00	23.06	20.60
19306	1.28	1.00	4.35	4.00	1.75	....	8.28	8.00	20.11	17.60
19383	.65	.50	2.39	2.00	.97	....	8.35	8.00	15.40	13.60
19145	1.46	1.00	2.43	2.00	1.72	....	9.39	9.00	20.95	16.80
19118	3.49†	4.00	8.12	7.00	1.17	....	8.22	8.00	34.21	32.60
19384	1.32	1.00	1.29	1.00	1.05	....	7.02	7.00	15.05	13.40
19423	2.21	2.00	10.55	10.00	1.37	....	8.18	8.00	29.40	27.60
19372	7.42	7.00	6.11	5.00	1.07	....	5.64	6.00	42.27	40.20
19146	3.41	3.00	2.52	2.00	1.00	....	9.70	9.00	27.12	24.80
19261	1.13	1.25	2.17	2.00	1.22	....	8.77	8.00	18.42	16.60
19284	2.18†	2.00	11.42‡	10.00	2.22	....	5.72	5.00	30.17	24.00
19125	....	....	.....	.....	.27	....	14.11	14.00	12.75	12.60
19458	2.90	3.00	3.01	3.00	2.80	....	6.79	8.00	23.88	24.60
19169	3.28	3.00	5.74	5.00	2.52	....	6.57	7.00	27.75	25.40
19197	2.06	2.00	2.58	2.00	2.17	....	8.03	8.00	21.33	19.60
19178	1.26	1.25	.....	.....	2.42	....	9.22	10.00	17.07	17.00
19349	2.35	2.00	.....	.....	2.70	....	12.87	12.00	25.92	22.40

*Total Phosphoric Acid. †Contains Nitrate. ‡As Sulfate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19298	D. B. Martin Co., Philadelphia, Pa.	Dissolved Organic Compound.	Elkton .....
19124	" " "	Early Truck and Vegetable Grower.	Baltimore .....
19127	" " "	Gilt Edge Potato Manure..	Baltimore .....
19315	" " "	One Eight and Four.....	Sykesville .....
19141	" " "	Potash and Soluble Bone..	Baltimore .....
19170	" " "	Potash and Soluble Bone..	Baltimore .....
19340	" " "	Prize Potato	Choptank .....
19214	" " "	Pure Dissolved Animal Bone	Baltimore .....
19166	" " "	Pure Ground Bone.....	Baltimore .....
19213	" " "	Pure Raw Bone Meal.....	Baltimore .....
19104	" " "	Special Compound.....	Baltimore .....
19171	" " "	Special Potato Manure.....	Baltimore .....
19142	" " "	Sure Grower	Baltimore .....
19316	F. Mehring, Bruceville, Md.	Acid Phosphate	Bruceville .....
19265	" " "	Dissolved Raw Bone.....	Williamsport ....
19266	" " "	General Crop Grower.....	Williamsport .....
19317	" " "	Twenty-Six Dollar Phosphate.	York Road .....
19256	Miller Fertilizer Co., Baltimore, Md.	Alkaline	Baltimore .....
19132	" " "	Ammoniated Dissolved Bone	Baltimore .....
19257	" " "	Buyer's Mixture.....	Baltimore .....
19385	" " "	Clinch Phosphate	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19298	1.42	1.00	2.32	2.00	1.87	.....	9.02	9.00	$19.57	$16.80
19124	3.92	4.00	9.35	8.00	1.12	.....	6.90	6.00	33.76	31.20
19127	3.26†	3.00	10.33	10.00	1.15	.....	7.01	7.00	32.24	30.40
19315	1.19	1.00	3.75	4.00	1.35	.....	7.85	8.00	18.47	17.60
19141	....	....	1.69	2.00	.12	.....	11.98	10.00	12.49	11.00
19170	....	....	5.95	5.00	.05	.....	12.07	12.00	16.82	15.80
19340	2.29	2.00	11.67	10.00	1.52	.....	7.37	8.00	20.28	27.60
19212	2.27	2.00	.....	....	2.47	....	12.91	12.00	25.56	22.40
19166	2.70	3.00	.....	....	25.76*	22.00*	.....	.....	26.26	25.20
19213	4.02	4.50	.....	....	21.58*	21.00*	.....	.....	29.03	26.10
19104	1.62	2.00	4.07	3.00	1.67	....	7.54	8.00	20.27	20.60
19171	1.37	1.00	5.60	5.00	1.02	....	8.16	8.00	21.28	18.60
19142	1.19	1.00	1.21	1.00	1.57	....	7.67	8.00	15.80	14.60
19316	....	.	.....	....	2.37	1.00	15.45	15.00	14.38	13.70
19265	2.17	2.00	.....	....	2.85	1.00	15.04	14.00	27.87	25.20
19266	1.45	1.00	1.67	1.25	2.80	1.00	11.51	10.00	22.40	17.65
19317	1.77	1.50	1.96	1.50	4.97	1.00	11.80	10.00	25.19	19.90
19256	....	....	5.50	5.00	.25	....	12.71	12.00	16.99	15.80
19132	2.18	2.00	2.36	2.00	.80	1.50	8.59	8.00	21.71	20.20
19257	....	....	5.09	5.00	.15	....	10.37	10.00	14.45	14.00
19385	....	....	2.05	2.00	.45	2.00	9.74	10.00	10.91	11.40

†Contains Nitrate. *Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19318	Miller Fertilizer Co., Baltimore, Md.	Club Brand	Lineboro
19326	" " "	Dissolved Raw Bone	Motter Station
19230	" " "	Farmer's Profit	Baltimore
19172	" " "	Harvest Queen	Baltimore
19173	" " "	Hustler Phosphate	Baltimore
19421	" " "	McAfee's Standard Ammoniated Bone Phosphate.	Baltimore
19386	" " "	McAfee's Top Dressing	B ltimore
19258	" " "	McAfee's Trucker's Favorite.	Baltimore
19345	" " "	M. B. S.	Whiteford
19101	" " "	Potato and Vegetable Grower.	Baltimore
19133	" " "	Potato and Vegetable Grower No. 1.	Baltimore
19105	" " "	S. C. Rock	Baltimore
19359	" " "	Special Tomato Grower	Baltimore
19174	" " "	Standard Phosphate	Baltimore
19319	" " "	W. G. Phosphate	Alesia
19434	J. B. Nichols & Son, Baltimore, Md.	Farmer's Friend	Baltimore
19267	Nicodemus & Grimes, Monrovia, Md.	Sullivan's S. S. S.	Monrovia
19071	Norton Manufacturing Co., Alexandria, Va.	Tankage	Muirkirk (Percy Cassard).
19167	G. Ober & Sons Co., Baltimore, Md.	Avondale Ammoniated Dissolved Bone.	Baltimore
19285	" " "	Bone Phosphate and Potash.	Denton
19219	" " "	Complete Vegetable Fertilizer.	Baltimore

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19318	.77	.50	2.21	2.00	.65	....	8.39	8.00	$15.62	$13.60
19326	2.53	2.50	....	....	2.38	2.00	11.04	11.00	24.32	24.00
19230	1.30	1.00	4.84	5.00	.90	1.50	7.85	8.00	19.82	19.20
19172	1.47	1.25	3.17	2.75	.97	1.50	8.37	9.00	19.48	19.15
19173	1.35	1.00	1.31	1.00	.97	1.50	8.58	8.00	17.40	15.20
19421	2.03	2.00	3.16	3.00	.72	....	8.02	8.00	21.19	20.60
19386	5.38†	5.00	2.99	2.50	.10	....	4.12	4.00	29.49	27.30
19258	3.77†	3.75	3.02	2.50	1.42	....	9.31	9.00	29.84	28.30
19345	1.25	1.00	3.40	3.00	.55	1.50	7.02	7.00	17.04	16.00
19101	2.17	2.00	4.15	4.00	.71	1.50	8.06	8.00	22.78	22.20
19133	4.54†	4.50	7.71	7.00	.42	1.50	8.54	8.00	36.29	35.20
19105	....	....	....	....	.57	....	14.53	14.00	13.19	12.60
19359	2.02	2.00	2.85	2.00	.72	1.50	7.55	8.00	20.28	20.20
19174	3.02	3.00	3.34	3.00	2.72	1.50	7.59	8.00	25.62	25.20
19319	.70	.50	1.54	1.00	.47	....	7.69	7.00	13.76	11.40
19434	6.04†	4.00	3.69	4.00	1.15	....	5.93	7.00	35.43	28.40
19267	2.10	2.00	3.36	2.00	2.00	....	8.42	9.00	22.66	20.80
19071	7.90	....	....	....	11.80*	....	....	....	30.78	.....
19167	2.51†	2.00	2.41	2.00	2.82	....	8.98	8.00	24.36	19.60
19285	....	....	2.34	2.00	1.10	....	11.73	10.00	13.12	11.00
19219	4.88†	5.00	6.26	7.00	1.35	....	7.96	6.00	35 87	34.20

†Contains Nitrate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19154	G. Ober & Sons Co., Baltimore, Md.	Dissolved Animal Bone ...	Baltimore .....
19159	" " "	Dissolved Bone Phosphate..	Baltimore .....
19106	" " "	Dissolved Bone Phosphate and Potash.	Baltimore .....
19155	" " "	Farmer's Mixture	Baltimore .....
19460	" " "	Farmer's Standard Ammoniated Phosphate.	Greensboro .....
19193	" " "	Fish and Potash Fertilizer..	Baltimore .....
19461	" " "	Fish, Bone and Potash Mixture.	Baltimore .....
19187	" " "	High Grade Acid Phosphate.	Baltimore .....
19179	" " "	Independent Ammoniated Super-Phosphate.	Baltimore .....
19238	" " "	Ox Head Fertilizer.....	Baltimore .....
19360	" " "	Pure Bone Meal.....	Baltimore .....
19373	" " "	Raw Bone Meal.....	Baltimore .....
19239	" " "	Soluble Ammoniated Super-Phosphate of Lime.	Baltimore .....
19435	" " "	Special Compound for Tobacco.	Baltimore .....
19134	" " "	Special Plant Food.....	Baltimore .....
19183	" " "	Stag Guano.....	Baltimore .....
19175	" " "	Standard Potash Compound	Baltimore .....
19143	" " "	Standard Southern Vegetable Fertilizer.	Baltimore .....
19361	Patapsco Guano Co., Baltimore, Md.	Alkaline Plant Food.....	Baltimore .....
19198	" " "	Blood, Bone and Potash....	Cockeysville .....
19220	" " "	Columbia Guano	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19154	3.57	3.00	....	....	1.87	....	13·23	10.00	$30·91	$24.00
19159	....	....	....	....	1.20	....	15·36	14.00	14·06	12.60
19106	....	....	3.47	3.00	1.57	....	11·23	11.00	13·89	12.90
19155	.89	1.00	2.49	2.00	1.22	....	10.91	9.00	19.63	16.80
19460	2.39†	2.00	3.09	2.00	1.20	....	10.16	9.00	25.32	20.80
19193	2.01†	2.00	2.44	2.00	1.25	....	10.96	9.00	24.13	20.80
19461	3.26†	3.25	6.81	3.50	1.25	....	9.11	8.00	31.28	26.10
19187	....	....	....	....	.87	.....	18.19	16.00	16.54	14.40
19179	1.11	1.00	1.60	1.00	1.30	.....	10.10	8.00	18.68	14.60
19238	.85	.50	2.06	2.00	1.52	.....	9.41	8.00	17.36	13.60
19360	3.53	3.00	....	....	23.02*	22.00*	.....	.....	27.93	25.20
19373	4.40	4.00	....	....	23.32*	21.00*	.....	.....	31.59	28.60
19239	1.79†	2.00	3.14	2.00	1.52	.....	9.43	8.00	22.23	19.60
19435	3.14	3.00	3.32	3.00	2.42	.....	8.98	8.00	27.63	24.60
19134	2.42†	2.00	5.11	5.00	1.07	.....	11.31	9.00	28.79	23.80
19183	1.91	1.00	5.03	4.00	1.60	.....	8.10	8.00	23.03	17.60
19175	....	....	4.93	5.00	.95	.....	13.83	12.00	17.57	15.80
19143	7.15†	7.00	6.09	5.00	1.10	.....	6.90	6.00	43.41	40.20
19361	....	....	5.48	5.00	.50	1.00	8.51	8.00	13.24	12.40
19198	.67	.50	2.20	2.00	1.27	.....	8.01	8.00	15.00	13.60
19220	3.40	3.00	5.53	5.00	1.02	.....	8.02	8.00	29.16	26.60

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19221	Patapsco Guano Co., Baltimore, Md.	Coon Brand	Baltimore
19135	" " "	Corn and Tomato Fertilizer	Baltimore
19199	" " "	Dissolved Raw Bone	Cockeysville
19222	" " "	Early Trucker	Baltimore
19428	" " "	High Grade Bone and Potash.	Baltimore
19180	" " "	Phospho Potash	Baltimore
19200	" " "	Pure Dissolved S. C. Bone	Cockeysville
19096	" " "	Soluble Bone and Potash	Baltimore
19136	" " "	Tobacco and Potato Fertilizer.	Baltimore
19290	Peerless Fertilizer Co., Chestertown, Md.	Corn Fertilizer	Baltimore
19291	" " "	Imperial Compound	Baltimore
19119	" " "	Our Potato Fertilizer	Baltimore
19412	" " "	Sweet Potato Manure	Chestertown
19120	" " "	Tomato Fertilizer	Baltimore
19201	Piedmont-Mt. Airy Guano Co., Baltimore, Md.	Insula Guano	Owings Mills
19194	" " "	Levering's Ammoniated Bone	Baltimore
19299	" " "	Levering's Excelsior	Leslie
19188	" " "	Levering's Harvest Queen	Baltimore
19202	" " "	Levering's Standard	Owings Mills
19054	" " "	Levering's Standard	Silver Springs (J. D. Miller).
19214	" " "	Mt. Airy Garden and Truck Fertilizer.	Baltimore

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19221	1.18	1.00	3.48	3.00	1.55	....	8.86	6.00	$19.45	$14.20
19135	1.57	1.50	2.20	2.00	1.75	....	9.50	9.00	20 58	18.80
19199	2.64†	2.50	....	....	2.47	....	11.57	12.00	25.43	24.40
19222	5.10	5.00	5.69	5.00	1.00	....	7.10	7.00	35.01	33.40
19428	....	....	5.34	5.00	1.10	....	10.50	11.00	15.01	14.90
19180	....	....	3.33	3.00	.90	....	6.19	6.00	9.08	8.40
19200	....	....	....	....	1.40	....	14.24	14.00	13.10	12.60
19393	....	....	2.05	2.00	.75	....	10.57	10.00	11.71	11.00
19136	2.17	2.00	4.11	4.00	1.05	....	8.43	8.00	23.33	21.60
19290	.34	.75	4.66	3.00	.47	....	6.10	8.00	13.53	15.60
19291	1.04	1.00	4.67	4.00	.62	....	7.06	8.00	17.55	17.60
19119	4.02†	4.00	7.23	7.00	1.52	....	6.27	6.00	31.44	30.20
19412	1.52†	2.00	10.38	10.00	.82	....	6.03	6.00	24.03	25.20
19120	1.89†	2.00	7.12	5.00	1.07	....	6.31	7.00	22.68	21.40
19201	.63	.50	2.02	2.00	.42	....	7.60	7.00	13.83	12.40
19194	.94	1.00	2.32	3.00	.25	....	9.66	9.00	17.77	17.80
19299	.85	1.00	2.72	1.00	.42	....	9.61	8.00	17.82	14.60
19188	1.01	1.00	2.85	2.00	.37	....	8.17	8.00	16.84	15.60
19202	1.21	2.00	3.52	3.00	.80	....	9.62	8.00	20.22	20.60
19054	1.86	2.00	4.43	3.00	.77	....	6.43	8.00	19.90	20.60
19214	2.46	3.00	4.74	4.00	.72	....	7.44	8.00	23.80	25.60

†Contains Nitrate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19268	Piedmont-Mt. Airy Guano Co., Baltimore, Md.	Peerless Phosphate	Mt. Airy .....
19451	" " "	Piedmont Acid Phosphate 16%.	Baltimore .....
19269	" " "	Piedmont Bone Meal	Mt. Airy .....
19398	" " "	Piedmont Early Trucker...	Hurlock .....
19350	" " "	Piedmont Economy.....	Germantown .....
19147	" " "	Piedmont Farmer's Bone & Potash.	Baltimore .....
19346	" " "	Piedmont Farmer's Favorite	Cardiff .....
19148	" " "	Piedmont Fish Guano	Baltimore .....
19108	" " "	Piedmont Gold Rod 7%...	Baltimore .....
19292	" " "	Piedmont Gold Star	Pocomoke City....
19446	" " "	Piedmont Guano for Tobacco.	Baltimore .....
19270	" " "	Piedmont Pennsylvania Potato Producer.	Hagerstown .....
19300	" " "	Piedmont Perfection Guano.	Leslie .....
19347	" " "	Piedmont Perfection Guano.	Cardiff .....
19053	" " "	Piedmont Perfection Guano.	Silver Springs (J. D. Miller).
19149	" " "	Piedmont Potato Producer..	Baltimore .....
19203	" " "	Piedmont Pure Raw Bone Mixture.	Owings Mills.....
19271	" " "	Piedmont Royal Ammoniated Bone and Potash.	Hagerstown .....
19362	" " "	Piedmont S. C. Bone.....	Baltimore .....
19374	" " "	Piedmont Soluble Bone and Potash.	Baltimore .....
19195	" " "	Piedmont Special Potash Mixture.	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19268	1.13	1.00	2.13	1.50	.40	2.00	8.64	8.00	$17.18	$15.90
19351	....	....	....	....	.17	....	14.02	16.00	12.65	14.40
19269	4.90	4.00	....	....	23.32*	40.00‡	....	....	33.59	40.00
19398	5.22†	5.00	5.62	5.00	1.30	....	4.93	6.00	32.94	32.20
19350	.34	.25	2.81	2.00	.20	....	9.39	10.00	15.52	15.00
19147	....	....	3.02	2.00	.05	....	9.67	10.00	11.73	11.00
19346	1.02	1.50	4.52	4.00	.32	....	8.29	8.00	18 68	17.60
19148	1.37	2.00	2.34	2.00	.92	....	9.03	6.00	19.03	17.20
19108	6.84†	7.00	5.06	5.00	.27	....	6.34	6.00	40.14	40.20
19292	3.09	3.00	4.61	6.00	.37	....	7.39	6.00	25.99	25.20
19446	1.89†	2.50	3.72	3.00	.55	....	8.87	8.00	22.14	22.60
19270	1.81	2.00	10.02	10.00	.32	....	7.52	6.00	26.41	25.20
19300	1.30	2.00	6.13	5.00	.55	....	8.15	8.00	21.33	22.60
19347	1.62	2.00	6.77	5.00	.40	....	8.06	8.00	23.08	22.60
19053	1.57	2.00	5.23	5.00	.42	....	9.59	8.00	23.19	22.60
19149	2.24	3.00	6.49	6.00	.57	....	7.54	5.00	24.73	24.00
19203	1.79	1.25	1.54	2.00	2.42	....	8.04	8.00	19.32	16.60
19271	1.88	1.30	3.33	3.00	.64	....	6.98	6.00	17.49	15.40
19362	....	....	....	....	.15	....	15.46	14.00	13.94	12.60
19374	....	....	2.33	2.00	.87	....	7.79	8.00	9.51	9.20
19195	....	....	5.25	5.00	.15	....	10.51	10.00	14.74	14.00

*Total Phosphoric Acid. ‡Total Bone Phosphate Acid.
†Contains Nitrate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19204	Piedmont-Mt. Airy Guano Co., Baltimore, Md.	Piedmont Success	Owings Mills ....
19436	" " "	Piedmont Wheat Compound	Baltimore .....
19272	" " "	Standard Dissolved Bone Phosphate.	Mt. Airy .....
19387	Pollock Fertilizer Co., Baltimore, Md.	Accomac Trucker	Baltimore .....
19226	" " "	Ammoniated Bone Phosphate	Baltimore .....
19424	" " "	Crop Invigorator	Baltimore .....
19113	" " "	Dissolved Bone and Potash	Baltimore .....
19114	" " "	Dissolved S. C. Bone.....	Baltimore .....
19388	" " "	Owl Brand Guano.....	Baltimore .....
19363	" " "	Soft Ground Bone	Baltimore .....
19196	" " "	Soluble Bone Phosphate ...	Baltimore .....
19364	" " "	Special Potato and Tobacco Fertilizer.	Baltimore .....
19243	" " "	Superior Corn and Tomato Fertilizer.	Baltimore .....
19273	Ramsburg Fertilizer Co., Frederick, Md.	Alkaline Phosphate	Mt. Airy .....
19329	" " "	Corn and Potato Fertilizer.	Myersville .....
19274	" " "	Dissolved Bone Super-Phosphate.	Mt. Airy .....
19275	" " "	Excelsior Plant Food.....	Mt. Airy .....
19330	" " "	Queen Phosphate	Middletown .....
19351	Rasin - Monumental Co., Baltimore, Md.	Monumental Potato Manure	Silver Springs ....
19205	" " "	Rasin's Acid Phosphate	Philopolis .....
19320	" " "	Rasin's Bone and Potash...	Hampstead .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19204	.60	.25	6.01	5.00	.37	....	8.91	9.00	$19.25	$16.80
19436	....	....	4.76	5.00	.20	....	12.01	12.00	15.61	15.80
19272	1.31	1.00	2.15	2.00	.40	1.50	11.84	10.00	21.76	18.60
19387	4.69	5.00	5.80	5.00	.82	....	7.76	7.00	34.20	33.40
19226	2.12	2.00	2.41	2.00	1.57	....	8.76	8.00	22.03	19.60
19424	1.33	1.00	4.31	4.00	1.10	....	8.13	8.00	19.83	17.60
19113	....	....	4.20	4.00	1.47	....	10.01	10.00	13.50	13.00
19114	....	....	....	.. 0	1.25	.....	14.17	14.00	13.00	12.60
19388	.70	.50	1.58	1.50	1.42	.....	7.17	7.00	13.55	11.90
19363	2.85	3.00	....	...0	16.21*	13.75*	....	....	21.13	20.25
19196	....	....	2.21	2.00	1.22	.....	9.62	10.00	11.11	11.00
19364	2.37	2.00	4.63	4.0·	1.15	.....	7.95	8.00	24.11	21.60
19243	1.13	1.00	2.58	2.00	1.77	.....	8.14	8.00	17.58	15.60
19273	....	....	2.45	2.0·	2.60	.....	9.91	10.00	11.88	11.00
19329	1.28	1.21	3.81	4.00	2.45	2.00	8.80	8.00	20.47	19.24
19274	....	....	....	....	1.05	....	15.98	14.00	14.59	12.60
19275	2.05	2.00	2.72	2.00	2.32	....	10.24	9.00	24.14	20.80
19330	.60	.50	1.28	1.00	2.15	....	12.39	8.00	19.41	12.60
19351	2.13	2.00	7.36	7.00	1.00	1.00	6.75	6.00	24.38	22.20
19205	....	....	....	....	.62	1.00	14.06	14.00	12.77	12.80
19320	....	....	2.46	2.00	.97	1.00	10.65	10.00	12.24	11.20

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19156	Rasin - Monumental Co. Baltimore, Md.	Rasin's Dissolved Bone	Baltimore .....
19413	" " "	Rasin's Early Trucker	Millington .....
19352	" " "	Rasin's Empire Guano	Germantown .....
19447	" " "	Rasin's Fish, Bone and Potash.	Baltimore .....
19189	" " "	Rasin's Gold Standard.....	Baltimore .....
19437	" " "	Rasin's Half and Half Mixture.	Baltimore .....
19399	" " "	Rasin's High Grade Bone and Potash.	Trappe .....
19115	" " "	Rasin's Irish Potato Special	Baltimore .....
19215	" " "	Rasin's I. X. L. Fertilizer..	Baltimore .....
19206	" " "	Rasin's National Crop Compound.	Philopolis .....
19207	" " "	Rasin's Potato Manure	Philopolis .....
19160	" " "	Rasin's Royal Fish, Bone and Potash.	Baltimore .....
19208	" " "	Rasin's Special Bone and Potash.	Philopolis .....
19976	" " "	Rasin's Special Formula for Corn and Wheat.	Hancock .....
19293	" " "	Rasin's Special Formula for Corn and Tomatoes.	Pocomoke City ...
19150	" " "	Rasin's Special Fish and Potash Mixture.	Baltimore .....
19137	" " "	Rasin's Standard Tomato Grower.	Baltimore .....
19327	" " "	Rasin's Triple Bone and Potash.	Graceham .....
19286	" " "	Rasin's Vegetable Special..	Goldsboro .....
19328	" " "	Rasin's Wheat, Corn and Oat Mixture.	Graceham .....
19116	" " "	Rasin's Wheat and Potash Mixture.	Baltimore .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19156	2.01	2.00	....	....	1.97	1.00	9.86	10.00	$20.66	$20.40
19413	4.28	5.00	4.78	5.00	.85	1.00	6.34	6.00	29.85	32.60
19352	2.03	2.00	2.46	2.00	1.97	....	8.02	8.00	20.99	19.60
19447	2.61	2.00	3.49	3.00	1.37	1.00	7.56	8.00	23.55	21.00
19189	3.12	3.00	4.41	6.00	1.50	1.00	7.22	6.00	26.15	25.60
19437	....	....	3.03	3.00	.77	1.00	6.61	6.00	9.13	8.60
19399	....	....	5.74	5.00	.85	1.00	12.30	12.00	16.98	16.00
19115	3.12	4.00	8.52‡	8.00	1.62	1.00	7.80	7.00	33.71	32.80
19215	1.11	1.00	3.24‡	3.00	2.00	1.00	9.25	9.00	20.23	18.20
19206	1.11	1.00	4.20	4.00	2.15	1.00	8.19	8.00	19.33	18.00
19207	2.24	2.00	5.35	7.00	1.37	1.00	7.14	6.00	23.43	22.60
19160	2.06	2.00	3.73	3.00	1.87	1.00	8.75	8.00	23.22	21.00
19208	....	....	4.82	5.00	1.90	1.00	9.61	10.00	13.85	14.20
19276	....	....	3.17	3.00	.35	....	7.30	6.00	9.81	8.40
19293	....	....	3.29	3.00	1.47	1.00	5.46	6.00	10.43	8.60
19150	2.49	2.00	3.97	3.00	1.55	1.00	6.29	6.00	22.10	18.60
19137	1.23	1.00	5.71	5.00	1.30	1.00	7.04	7.00	19.60	17.80
19327	....	....	6.47	6.00	.67	1.00	13.04	13.00	18.34	17.90
19286	2.59	2.00	10.80	10.00	1.02	....	7.94	8.00	31.10	27.60
19328	.80	.50	2.31	2.00	1.52	1.00	8.81	8.00	16.69	14.00
19116	....	....	4.83	5.00	1.45	1.00	8.50	8.00	12.77	12.40

‡As Sulfate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19238	Rasin - Monumental Co., Baltimore, Md.	Raisin's X. X. X. Fertilizer	Baltimore
19190	" " "	William Penn Crop Grower	Baltimore
19231	W. E. Robinson & Co., Bel Air, Md.	Special Mixture	Baltimore
19250	" " "	Tomato and Wheat Fertilizer.	Stockton
19402	Thomas Schlack, New York, N. Y.	Thomas' Phosphate Powder	Easton
19301	Scott Fertilizer Co., Elkton, Md.	Corn and Oats Grower	Childs
19417	" " "	Grain Special	Elkton
19300	" " "	Potato Grower	Childs
19302	" " "	Potato and Truck Special	North East
19303	" " "	Pure Ground Raw Bone	Childs
19418	" " "	Standard Phosphate	Elkton
19304	" " "	Sure Growth Super-Phosphate.	North East
19307	Smith, Rouse & Webster, Bel Air, Md.	Potato and Tomato Fertilizer.	Belcamp
19308	" "	Special Formula	Belcamp
19249	W. H. Street & Co., Fallston, Md.	Ammoniated Dissolved Bone	Baltimore
19309	" "	High Grade Bone Phosphate.	Fallston
19232	H. S. Taveau & Co., Baltimore, Md.	Allerton Guano	Baltimore
19375	" " "	Dissolved S. C. Bone	Baltimore
19262	" " "	Florida Phosphate	Baltimore
19233	" " "	Ground Bone Meal	Baltimore
19234	" " "	Pride of Maryland	Baltimore

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19138	1.71	2.00	6.54	5.00	.92	1.00	8.18	8.00	$23.57	$23.00
19190	1.08	1.00	1.51	1.00	1.65	1.00	8.58	8.00	16.79	15.00
19231	2.27	2.00	5.10	5.00	.85	....	8.39	8.00	24.59	22.60
19250	2.25	2.00	2.51	2.00	.67	....	8.45	8.00	21.92	19.60
19402	....	....	....	....	17.39*	17.00*	....	....	.....	.....
19301	.55	.50	3.27	2.00	1.10	....	9.18	8.00	16.93	13.60
19417	.73	.50	4.23	4.00	.57	....	8.91	8.00	18.07	15.60
19355	2.42	2.00	11.44	10.00	.85	....	7.65	6.00	30.64	25.20
19302	2.24	2.00	5.01	5.00	1.80	....	8.59	7.00	25.00	21.40
19303	4.73	4.00	....	....	22.25*	21.50*	....	....	32.27	28.90
19418	1.16	1.00	4.32	4.00	.77	....	9.14	8.00	20.24	17.60
19304	2.03	2.00	3.82	3.00	2.25	....	9.15	8.00	23.82	20.60
19307	2.13	2.00	4.25	4.00	.72	....	7.89	8.00	22.53	21.60
19308	2.18	2.00	2.40	2.00	.70	....	8.02	8.00	21.02	19.60
19249	1.66	1.50	2.54	2.00	.95	1.50	9.03	8.00	20.40	18.20
19309	2.53	2.50	3.63	3.00	1.05	1.50	7.81	8.00	23.54	23.20
19232	2.13	2.00	3.13	2.50	1.90	....	9.16	9.00	23.40	21.30
19375	....	....	....	....	.92	....	12.84	14.00	11.74	12.60
19262	....	....	....	....	2.05	....	13.52	14.00	12.58	12.60
19233	2.92	3.00	....	....	16.10*	13.75*	....	.....	21.34	30.25
19234	1.16	1.00	2.78	2.50	1.67	....	9.79	10.00	19.84	18.50

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19452	H. S. Taveau & Co., Baltimore, Md.	Pride of Virginia	Baltimore .....
19181	" " "	Special Compound	Baltimore .....
19425	" " "	Special Compound No. 2...	Baltimore .....
19235	" " "	Wonder Potato and Tomato Manure.	Baltimore .....
19331	D. A. Thomas & Co., Hagerstown, Md.	Bone Mixture	Boonsboro .....
19332	" " "	Crown Jewel	Hagerstown .....
19333	" " "	Dissolved Bone	Hagerstown .....
19334	" " "	Dissolved Bone Phosphate..	Myersville .....
19277	" " "	Excelsior Fertilizer	Beaver Creek ....
19335	" " "	Farmer's Mixture	Hagerstown .....
19336	" " "	Golden Sheaf	Hagerstown .....
19337	" " "	Pride of the Valley	Hagerstown .....
19338	" " "	Soluble Bone and Potash..	Hagerstown .....
19431	I. P. Thomas & Son Co., Philadelphia, Pa.	Potato Fertilizer	Annapolis .....
19278	" " "	S. C. Phosphate	Hancock .....
19279	" " "	Superior Super-Phosphate..	Hancock .....
19432	" " "	Sweet Potato Manure	Annapolis .....
19365	W. B. Tilghman Co., Salisbury, Md.	Acidulated Bone Phosphate.	Baltimore .....
19341	" " "	Fish, Bone and Potash Mixture.	Federalsburg ....
19294	" " "	High Grade Early Truck..	Salisbury .....
19251	" " "	Mixture "B".....	Berlin .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19452	....	....	3.06	3.00	1.75	....	11.73	12.00	$13.97	$13.80
19181	....	....	2.58	2.00	1.02	....	10.04	10.00	11.82	11.00
19425	....	....	3.17	3.00	1.50	....	11.43	12.00	13.76	13.80
19235	2.17	2.00	6.03	5.00	1.90	....	8.03	8.00	25.11	22.60
19331	2.01†	2.00	2.40	2.00	1.10	....	9.09	8.00	21.79	19.60
19332	1.08	1.00	3.02	3.00	.45	....	10.29	9.00	19.87	17.80
19333	2.44	2.00	5.71	4.00	1.32	....	9.36	10.00	27.23	24.00
19334	....	....	....	....	.82	....	15.69	14.00	14.28	12.60
19277	1.93†	2.00	4.50	4.00	.70	....	8.62	8.00	22.84	21.60
19335	1.03	1.00	2.55	2.00	.62	....	8.70	8.00	17.36	15.60
19336	1.02	1.00	1.97	1.00	.65	....	8.12	8.00	16.05	14.60
19337	.63	.50	3.25	3.00	.82	....	8.03	8.00	15.74	14.60
19338	....	....	2.32	2.00	1.35	....	10.29	10.00	11.85	11.00
19431	2.30	2.00	6.25	6.00	.57	1.00	8.93	8.00	26.40	24.00
19278	....	....	....	....	1.42	1.00	14.58	14.00	13.40	12.80
19279	.78	1.00	1.46	1.00	1.45	1.00	7.51	7.00	14.17	13.80
19432	2.42	2.00	8.52	10.00	.85	1.00	8.33	7.00	28.54	26.80
19365	....	....	....	....	1.10	1.00	13.82	14.00	12.66	12.80
19341	1.13	1.00	2.14	2.00	.83	....	10.04	10.00	19.04	18.00
19294	4.47	5.00	6.12	5.00	.97	....	6.52	7.00	32.21	33.40
19251	3.87†	4.00	4.03	4.00	1.17	....	8.11	7.00	29.71	28.40

†Contains Nitrate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19252	W. B. Tilghman Co., Salisbury, Md.	Standard Fish	Berlin
19295	" " "	Standard Tomato Mixture.	Salisbury
19366	Turner & Son, Betterton, Md.	X. X. Fertilizer	Baltimore
19151	Tuscarora Fertilizer Co., Baltimore, Md.	Acid Phosphate	Baltimore
19397	" " "	Acidulated Bone Black	Baltimore
19389	" " "	Acidulated Bone Meal	Baltimore
19390	" " "	Alkaline	Baltimore
19342	" " "	Animal Bone	Federalsburg
19109	" " "	Big (4) Four	Baltimore
19244	" " "	Bone and Potash	Baltimore
19227	" " "	Fruit and Potato	Baltimore
19223	" " "	Special Crop Grower	Baltimore
19176	" " "	Special Mixture	Baltimore
19376	" " "	Sure Growth	Baltimore
19123	" " "	Trucker	Baltimore
19310	" " "	Tuscarora Standard Fertilizer.	Aberdeen
19240	" " "	York State Special	Baltimore
19391	J. E. Tygert Co., Philadelphia, Pa.	Big Crop	Baltimore
19356	" " "	Bone Phosphate	Childs
19406	" " "	Gold Edge Potato Guano	Childs
19407	" " "	Golden Harvest Phosphate.	Childs

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19252	2.05	2.00	2.78	2.00	1.35	....	8.31	8.00	$21.49	$19.60
19295	1.91	2.00	2.87	4.00	.72	....	10.40	8.00	23.28	21.60
19366	2.03	2.00	4.53	4.00	1.27	....	7.45	7.00	22.10	20.40
19151	....	....	....	....	.17	.50	14.02	14.00	12.65	12.70
19397	....	....	....	....	.15	.50	17.46	18.00	15.74	16.30
19389	1.89	2.00	....	....	3.45	.50	10.61	11.00	21.67	21.40
19390	....	....	5.06	5.00	.30	.50	10.24	10.00	14.34	14.10
19342	3.31	3.00	....	....	22.03*	24.00*	....	....	26.46	26.40
19109	1.76	2.00	4.21	4.00	1.22	.50	6.88	7.00	20.00	20.60
19244	....	....	2.34	2.00	.17	.50	10.03	10.00	11.40	11.10
19227	1.86†	2.00	10.95	10.00	1.45	.50	7.64	8.00	28.14	27.80
19223	1.02	1.00	2.21	2.00	.50	.50	7.79	8.00	15.84	15.80
19176	2.01	2.00	4.89	5.00	.65	.55	8.03	8.00	22.83	22.82
19376	.51	.50	3.31	3.00	.17	.50	8.64	8.00	15.79	14.80
19123	4.23†	5.00	7.29	7.00	1.17	.50	8.14	8.00	34.45	36.80
19310	2.02†	2.00	2.40	2.00	.17	...	8.12	8.00	20.29	19.60
19240	1.02	1.00	4.23	4.00	1.02	.50	7.78	8.00	18.06	17.80
19391	....	....	5.22	5.00	.47	...	8.56	8.00	13.01	12.20
19356	2.27	2.25	3.09	2.50	.67	1.00	9.16	9.00	23.43	22.70
19406	2.41†	2.00	5.67	5.00	.57	1.00	7.13	7.00	24.10	21.80
19407	.77	.50	2.14	2.00	.82	1.00	8.04	8.00	15.20	14.00

*Total Phosphoric Acid. †Contains Nitrate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19408	J. E. Tygert Co., Philadelphia, Pa.	Pure Ground Bone	Childs .....
19394	" " "	Standard Bone Phosphate..	Baltimore .....
19409	" " "	Victor Bone and Potash...	Childs .....
19339	J. Tyson & Son, Frederick, Md.	Corn and Potato Fertilizer.	Frederick .....
19414	E. S. Valiant & Sons, Church Hill, Md.	Acid Phosphate	Price .....
19415	" " "	Ammoniated Potash Mixture	Price .....
19416	" " "	Grain Grower	Price .....
19367	" " "	Standard Fertilizer	Baltimore .....
19245	Virginia-Carolina Chemical Co., Richmond, Va.	Acid Phosphate 14%.....	Baltimore .....
19241	" " "	Corn and Buckwheat Special	Baltimore .....
19321	" " "	Double Bone and Potash..	Taneytown .....
19191	" " "	Fish, Bone and Potash....	Baltimore .....
19280	" " "	Peerless Bone and Potash..	Hancock .....
19281	" " "	Prize Potato Manure	Hancock .....
19282	" " "	Special Corn Compound....	Hancock .....
19453	" " "	Special Potato Mixture.....	Baltimore .....
19283	" " "	Standard Bone and Potash.	Hancock .....
19168	" " "	Standard Corn and Grain Grower.	Baltimore .....
19322	" " "	Union Super-Phosphate....	Melrose .....
19392	S. L. Webster & Son, Cambridge, Md.	Ammoniated Bone Fertilizer No. 2.	Baltimore .....
19343	" " "	Fish Mixture	Two Johns .....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19408	4.28	4.00	....	....	20.16*	22.00*	....	....	$29.22	$25.20
19394	2.08	2.00	2.35	2.00	1.07	....	8.08	8.00	20.80	19.60
19409	1.21	1.00	4.04	4.00	1.22	1.00	8.01	8.00	18.98	18.00
19339	.68	1.00	2.56	2.00	1.57	....	6.75	8.00	14.01	15.60
19414	...	...	....	...	1.29	....	14.97	14.00	13.73	12.60
19415	.38	.25	2.82	2.00	.90	....	10.34	10.00	17.11	15.00
19416	.67	.50	3.22	2.00	.97	....	8.42	8.00	16.39	13.60
19367	1.16	1.00	6.60	4.00	2.55	....	7.76	9.00	21.57	18.80
19245	....	....	....	....	.77	1.00	14.02	14.00	12.77	12.80
19241	....	....	3.34	3.00	.80	1.00	6.79	6.00	9.61	8.60
19321	....	....	4.77	4.00	1.10	1.00	8.58	8.00	12.71	11.40
19191	2.08	2.00	3.22	3.00	1.85	1.00	9.08	8.00	23.18	21.00
19280	....	....	2.60	2.00	1.07	1.00	8.14	8.00	10.14	9.40
19281	1.93	2.00	6.73		1.35		6.05	6.00	22.25	21.60
19282	1.13	1.00	2.67	2.00	1.92	1.00	9.70	9.00	19.60	17.20
19453	3.86	4.00	8.18‡	8.00	1.35	1.00	6.02	6.00	32.02	31.60
19283	...	...	2.02	2.00	1.17	1.00	9.64	10.00	10.93	11.20
19168	.70	.50	2.20	2.00	1.60	1.00	8.68	8.00	16.06	14.00
19322	...	...	3.26	3.00	1.12	....	7.22	6.00	9.98	8.40
19392	2.08†	2.00	3.70	3.00	1.87	....	7.01	7.00	21.18	19.40
19343	1.89	1.50	3.02	2.00	1.42	....	8.06	8.00	20.82	17.60

*Total Phosphoric Acid. †Contains Nitrate. ‡As Sulfate.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.
19344	S. L. Webster & Son, Cambridge, Md.	Old Dorset Ammoniated Bone Fertilizer.	Two Johns .....
19323	Westminster Fertilizer Co., Westminster, Md.	Governor	Westminster .....
19324	" " "	Leader	Westminster .....
19325	" " "	Super-A-	Westminster .....
19348	H. W. Whistler, Fountain Green, Md.	Crop Grower	Bel Air .....
19209	Robert A. Woolridge Co., Baltimore, Md.	Champion Giant Phosphate	White Hall .....
19454	" " "	Chieftain Bone Stock Phosphate.	Baltimore .....
19433	" " "	Dissolved S. C. Phosphate..	Baltimore .....
19426	" " "	Double Quick Pure Bone Phosphate.	Baltimore .....
19377	" " "	Farmer's Favorite Cereal Compound.	Baltimore .....
19184	" " "	Florida Acid Phosphate....	Baltimore .....
19395	" " "	German Potash Mixture....	Baltimore .....
19228	" " "	Giant Phosphate	Baltimore .....
19427	" " "	Golden Crown Chemical Bone Truck Phosphate.	Baltimore .....
19157	" " "	Grain and Grass Producer.	Baltimore .....
19396	" " "	Ideal Grain and Grass Producer.	Baltimore .....
19216	" " "	Liberty Bell Potash Mixture	Baltimore .....
19158	" " "	No. 1 Bone and Potash 6 x 3	Baltimore .....
19224	" " "	No. 2. Bone and Potash 8 x 5	Baltimore .....
19210	" " "	Old Sledge Phosphate	White Hall .....
19305	" " "	Pure Ground Bone.....	Fair Hill.....

No.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
					Insoluble.		Available.			
	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19344	1.01	1.00	5.02	4.00	1.00	....	7.58	8.00	$18.56	$17.66
19323	1.30	1.50	3.17	2.50	1.92	....	9.40	9.00	20.42	19.36
19324	1.08	1.00	2.32	1.50	1.00	....	8.21	8.00	16.89	15.16
19325	.77	.75	1.41	1.00	.82	....	8.09	8.00	14.53	13.66
19348	1.45	1.50	2.77	2.00	1.75	....	8.12	8.00	19.01	17.60
19209	1.13	1.00	2.12	2.00	1.46	....	9.03	9.00	18.06	16.80
19454	2.22	2.00	2.48	2.00	1.57	....	7.69	8.00	21.22	19.60
19433	....	....	....	....	2.05	....	12.77	12.00	11.90	10.80
19426	2.68	2.75	3.16	3.00	1.55	....	9.67	9.00	26.10	24.80
19377	.85	.50	2.61	2.00	1.32	....	7.21	7.00	15.19	12.40
19184	....	....	....	....	1.47	....	14.41	14.00	13.26	12.60
19395	....	....	2.04	2.00	1.05	....	9.82	10.00	11.30	11.00
19228	1.26	1.00	2.44	2.00	1.90	....	9.11	8.00	19.17	15.60
19427	5.89	7.00	5.64	5.00	.90	....	6.78	6.00	37.70	40.20
19157	....	....	4.38	4.00	1.27	....	10.70	10.00	14.26	13.00
19396	....	....	4.18	4.00	1.00	....	10.12	10.00	13.49	13.00
19216	....	....	3.44	3.00	1.87	1.00	11.76	12.00	14.39	14.00
19158	....	....	3.15	3.00	.82	....	7.01	6.00	9.62	8.40
19224	....	....	5.57	5.00	.60	....	8.39	8.00	13.24	12.20
19210	....	....	5.29	5.00	.92	....	12.53	12.00	16.74	15.80
19305	4.08	4.00	....	....	22.22*	20.60*	....	....	29.65	28.36

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer.	Name of Fertilizer.	Place of Sampling (and Sampler when not the College.	NITROGEN Calculated as AMMONIA		POTASH, K_2O		PHOSPHORIC ACID.				Comparative Value per Ton Found.	Comparative Value per Ton Guaranteed.
								Insoluble.		Available.			
				FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.	FOUND.	Guaranteed.		
19462	Robert A. Woolridge Co., Baltimore, Md.	Special Potato and Tobacco	Perryman	2.02	2.00	5.18	5.00	1.50	....	9.02	8.00	$24.68	$23.80
19429	" " "	Sweet Stake Sure Shot.....	Baltimore	3.12	3.00	7.90	8.00	1.17	....	7.96	7.00	30.40	28.40
19110	" " "	Triumph Pure Bone Phosphate.	Baltimore	1.79	1.50	4.05	4.00	2.20	....	7.65	5.00	21.27	16.00
19353	Woolridge Fertilizer Co., Baltimore, Md.	Clover Leaf Crop Grower..	Germantown	.78	.50	2.35	2.00	.92	1.50	8.04	8.00	15.49	14.20
19060	" " "	Curacao Guano	Ellwood (D. J. Vickers).	....	....	....	....	10.30	13.50	15.01	6.50	15.57	8.55
19378	" " "	German Alkaline Mixture..	Baltimore	....	....	2.24	2.00	.37	1.00	10.45	10.00	11.72	11.20
19379	" " "	High Grade Potato and Tomato Grower.	Baltimore	2.22	2.00	5.39	5.00	.82	1.50	9.05	9.00	25.46	24.40
19354	" " "	Old Hickory Phosphate.....	Germantown	1.52	1.25	2.55	2.00	.97	1.50	8.02	8.00	18.64	17.20
19380	" " "	Orchilla Guano	Baltimore	....	....	....	....	16.45	12.50	7.84	5.50	10.35	7.45
19229	" " "	Tiger Bone Stock Phosphate	Baltimore	1.35	1.25	4.91	4.50	.92	1.50	7.82	8.00	20.06	19.70
19217	" " "	Virginia Belle Potash Mixture.	Baltimore	....	....	3.22	3.00	.50	1.00	12.52	12.00	14.59	14.00
19403	J. M. Wright, Federalsburg, Md.	Ammoniated Bone Phosphate	Federalsburg	.32	.50	3.60	4.00	.87	....	6.51	9.00	13.04	16.80

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